

TOOLS OF INDUSTRY

by

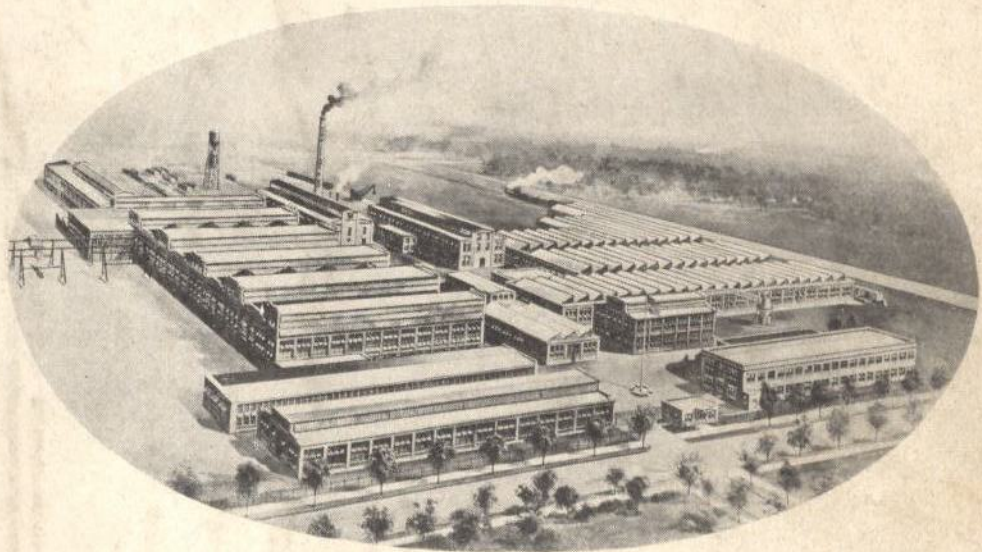


WILLIAMS



WILLIAMS

DROP-FORGINGS AND DROP-FORGED TOOLS



J. H. WILLIAMS & CO.

ESTABLISHED 1882 — INCORPORATED JULY 1, 1895

GENERAL OFFICES AND FACTORY

400 VULCAN STREET

BUFFALO 7, NEW YORK

DISTRICT SALES OFFICE

225 Lafayette St., New York 12

DISTRICT SALES OFFICES AND WAREHOUSES

117 North Jefferson Street, Chicago 6

2266 East 38th Street, Los Angeles 11

1949 Edition



ROSE TOOLS, INC.

DROP-FORGINGS AND WILLIAMS DROP-FORGED TOOLS

Industrial Edition

This Industrial Catalog supersedes all previous issues, which are hereby withdrawn. A separate Catalog covering additional Automotive Service tools is available on request. All Prices are subject to change without notice.

Cuts Illustrating Our Goods

Furnished to customers; if desired, we will edit copy for printer and check proof.

Dimensions

Unless otherwise stated, all dimensions are in inches.

Electric Welding

We are prepared to electric-weld rounds up to and including 1 1/8 inch diameter; by this means we can supply several of our stock specialties, such as Rod Ends, with shanks of any reasonable length.

Heat-treating, Annealing, Tempering and Case-hardening Done to Order

We have ample facilities for handling work of this class and solicit inquiries therefor.

Chemical Analyses and Physical Tests

Our laboratories are thoroughly equipped and we offer their services for such analyzing as may be required.

Estimates for Special Forgings

Furnished on receipt of model or drawing and specifications, including quantity.

Dies for Special Forgings

Charges for Dies and Tools include only a portion of their cost. We assume the risk of breakage and the expense of repair and maintenance. Tools are fitted to our equipment and are not subject to surrender. When inactive for three years after date of last order, they may be discarded at our option, without further notice.

Guarantee

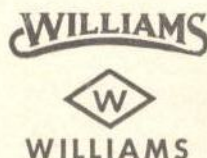
We guarantee all our product, whether Standard Stock goods, as described in this catalog, or Special Forgings made to order, to be free from imperfections of workmanship and material.

Cable Address, "WILLRICH, BUFFALO NY"

Codes: Western Union, Lieber's Standard, Lieber's 5 Letter, "ABC" 5th Edition, Bentley's.

We are the sole makers of the following brands of drop-forged products:

**VULCAN
SUPERRENCH
SUPERSOCKET**



**AGRIPPA
SUPERECTOR
SUPERJUSTABLE**

J. H. Williams & Co., originated the first uniform line of fifteen-degree angle Wrenches, since generally adopted.

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DROP-FORGINGS AND **WILLIAMS** DROP-FORGED TOOLS

NUMERICAL INDEX

LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

Wrench No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price	Wrench No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price	Wrench No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price
CARBON STEEL WRENCHES					CARBON STEEL WRENCHES					CARBON STEEL WRENCHES				
S-000	2	.03	6	\$.28	55A	5	25	..	\$31.00	376	18	4	..	\$ 3.70
S-00	2	.05	6	.28	55B	5	25	..	31.00	376A	18	4.2	..	3.70
00	2	.06	6	.28	57	5	37	..	47.00	378A	18	4.9	..	4.50
0	2	.08	6	.30	57B	5	36	..	47.00	379	18	4.7	..	4.50
1	2	.13	6	.36	58	5	46	..	62.00	382	18	6.1	..	5.30
2	2	.20	6	.44	58A	5	48.5	..	62.00	382A	18	6.3	..	5.30
3	2	.33	6	.52	60	5	48	..	75.00	383B	18	6.5	..	6.30
4	2	.42	6	.64	60A	5	48	..	75.00	385	18	6.7	..	6.30
5	2	.61	6	.76	62	5	67	..	94.00	389	18	9.6	..	9.00
6	2	.91	6	.92	62A	5	67	..	94.00	389B	18	9.4	..	9.00
† 6A	..	.91	6	.92	63A	5	76	..	135.00					
7	3	1.3	6	1.14	64A	5	118	..	155.00					
8	3	2.1	6	1.50										
8A	3	2.1	6	1.50	201	16	27	6	.75	*403	20	.13	..	.40
9	3	2.7	6	2.30	201A	16	27	6	.75	*404	20	.25	..	.46
10	3	3.5	..	3.20	201B	16	27	6	.75	*405	20	.38	..	.52
10A	3	3.5	..	3.20	202	16	27	6	.75	*406	20	.48	..	.60
11	3	4.6	..	4.20	203	16	53	6	.95	*407	20	.64	..	.68
11A	3	4.5	..	4.20	203A	16	53	6	.95	*408	20	.98	..	.80
12	3	5.8	..	5.70	204	16	50	6	.95	*409	20	1.2	..	.96
12A	3	5.8	..	5.70	204A	16	1	6	.95	*410	20	1.3	..	1.16
13	3	7.2	..	7.30	205	16	1	6	1.20	*412	20	2.6	..	1.70
13A	3	7.2	..	7.30	205A	16	1	6	1.20	414	20	4.1	..	5.50
14	3	10	..	9.20	206	16	1	6	1.20	415	20	5.7	..	8.00
14A	3	9.6	..	9.20	206B	16	1	6	1.20	416	20	8.7	..	14.00
15	3	11.1	..	11.20	207	16	1.7	6	1.55					
15A	3	11.2	..	11.20	207A	16	1.7	6	1.55	418	19	.13	..	.60
16	3	13.6	..	13.40	208	16	2.6	6	2.05	420	19	.17	..	.66
16A	3	13.7	..	13.40	208A	16	2.6	6	2.05	422	19	.20	..	.74
16B	3	13.9	..	13.40	209	16	3.7	6	2.70	424	19	.28	..	.84
17	3	18.9	..	20.50	209A	16	3.7	6	2.70	426	19	.30	..	.96
17A	3	18.9	..	20.50	210	16	5.3	..	3.60	428	19	.42	..	1.10
18	3	28.1	..	29.50	210A	16	5.2	..	3.60	430	19	.52	..	1.28
18A	3	26.5	..	29.50	211	16	7.3	..	5.30	432	19	.59	..	1.48
19	3	33.3	..	42.00	211A	16	7.2	..	5.30	434	19	.70	..	1.70
19A	3	32.3	..	42.00	212	16	7.3	..	5.30	436	19	.82	..	1.94
19B	3	33.1	..	42.00						438	19	.89	..	2.20
19C	3	31.5	..	42.00	261A	24	.08	6	.60	440	19	1	..	2.50
20	3	50.5	..	62.00	261J	25	.08	6	.60	442	19	1.1	..	2.90
20A	3	50.4	..	62.00	262D	24	.17	6	.66	452	19	.08	6	.54
20B	3	50.5	..	62.00	262H	25	.17	6	.66	453	19	.11	6	.58
21A	3	90.5	..	114.00	263A	24	.19	6	.72	454	19	.13	6	.60
21B	3	90.5	..	114.00	263D	24	.20	6	.72	455	19	.17	6	.62
21C	3	85	..	114.00	263H	25	.20	6	.72	456	19	.20	6	.66
22A	3	156	..	204.00	264A	24	.22	6	.78	457	19	.23	6	.70
22B	3	149	..	204.00	265A	24	.36	6	.88	458	19	.31	6	.72
					265D	24	.36	6	.88	459	19	.33	6	.78
25	4	.22	6	.50	265H	25	.36	6	.88	460	19	.44	6	.84
27	4	.33	6	.62	266D	24	.50	6	.96	461	19	.50	6	.90
27B	4	.33	6	.62	266H	25	.52	6	.96	462	19	.56	6	.96
28	4	.42	6	.74	267A	24	.67	6	1.08	463	19	.66	6	1.02
29	4	.48	6	.74	267D	24	.67	6	1.08	464	19	.70	6	1.08
29B	4	.48	6	.74	267H	25	.70	6	1.08	466	19	1.3	6	1.44
29C	4	.47	6	.74	268A	24	.92	6	1.20	468	19	1.9	6	1.96
31	4	.70	6	.90	268D	24	.94	6	1.20					
31B	4	.73	6	.90	268H	25	.95	6	1.20	471	21	.28	6	1.75
32B	4	.98	6	1.10	268P	25	.92	6	1.20	472	21	.52	6	2.00
33A	4	.98	6	1.10	269A	24	1.1	6	1.38	474	21	.95	6	2.75
33C	4	.97	6	1.10	269H	25	1	6	1.38	474A	21	1.1	6	2.95
34	4	1.3	6	1.36	270D	24	1.4	6	1.56					
34A	4	1.3	6	1.36	270S	24	1.4	6	1.56	482	21	.33	6	1.50
36B	4	2	6	1.92	271A	24	1.8	6	1.80	483	21	.59	6	2.20
37	4	1.9	6	1.92	271D	24	1.8	..	1.80	484	21	1	6	3.20
37A	4	1.9	6	1.92	271H	25	1.9	..	1.80					
39	4	2.8	..	2.80	273A	24	2.7	..	2.40	*491	20	.20	..	.30
39A	4	2.7	..	2.80	273B	24	2.7	..	2.40	*493	20	.22	..	.34
39B	4	2.8	..	2.80	273H	25	2.7	..	2.40	*494	20	.23	..	.36
39C	4	2.5	..	2.80	274H	25	3.5	..	2.70	*495	20	.23	..	.40
41	5	3.8	..	3.80	275A	24	4.1	..	3.00	*496	20	.25	..	.44
41B	5	3.8	..	3.80	275D	24	4.1	..	3.00	*497	20	.25	..	.48
42A	5	5.8	..	5.30	276A	24	5.1	..	3.44	*498	20	.27	..	.52
43	5	5.8	..	5.30	276B	24	5.1	..	3.44					
44A	5	7.3	..	7.20	276H	25	5.7	..	3.44	500	12	.04	..	.28
45	5	7.1	..	7.20	277A	24	6.6	..	3.90	501	12	.09	..	.34
45A	5	6.7	..	7.20	278A	24	8	..	4.80	502	12	.16	..	.42
47	5	9.3	..	10.50						503	12	.25	..	.50
47B	5	9.3	..	10.50	367	18	1.4	..	1.50	504	12	.36	..	.62
49	5	11.9	..	14.00	367A	18	1.4	..	1.50	505	12	.50	..	.76
49A	5	12.2	..	14.00	370	18	2.6	..	2.50	506	12	.75	..	.92
51	5	13.3	..	19.80	370A	18	2.6	..	2.50	507	12	.89	..	1.10
51A	5	13.3	..	19.80	370B	18	2.5	..	2.50	508	12	1.3	..	1.36
53	5	16.7	..	24.00	370C	18	2.7	..	2.50	509	12	1.5	..	1.68
53A	5	16.5	..	24.00	372A	18	3.3	..	3.10	510	12	2.1	..	2.20
54C	5	23.8	..	28.50	373	18	3.1	..	3.10	511	12	2.5	..	2.80

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LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

Wrench No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price	Wrench No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price	Wrench No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price
CARBON STEEL WRENCHES					CARBON STEEL WRENCHES					CARBON STEEL WRENCHES				
525	13	.14	6	\$.48	623D	7	.08	6	\$.50	819AC	9	34.8	..	\$ 37.00
527	13	.23	6	.58	624A	7	.11	6	.50	819B	9	24.6	..	29.00
529	13	.33	6	.70	624B	7	.11	6	.50	820	9	41.5	..	50.00
531	13	.50	6	.90	625	7	.11	6	.50	820B	9	41.5	..	50.00
533	13	.71	6	1.08	626S	7	.17	6	.64					
535	13	.95	6	1.30	627	7	.19	6	.64	H-808	9	1.6	..	2.20
537	13	1.5	6	1.60	629	7	.23	6	.72	H-808A	9	1.6	..	2.20
539	13	1.8	..	2.00	629D	7	.23	6	.72	H-809	9	2.5	..	2.95
541	13	2.6	..	2.60	630B	7	.33	6	.80	H-809A	9	2.5	..	2.95
543	13	3.6	..	3.50	630E	7	.33	6	.80	H-810	9	3.1	..	3.90
					631	7	.34	6	.80	H-810A	9	3.1	..	3.90
554	14	.45	..	1.12	631A	7	.34	6	.80	H-811	9	3.8	..	5.15
555	14	.56	..	1.24	632C	7	.36	6	1.12	H-811A	9	3.8	..	5.15
555B	14	.56	..	1.24	634A	7	.59	6	1.12	H-812	9	5.2	..	6.65
555C	14	.56	..	1.24	634B	7	.59	6	1.12	H-813	9	6.5	..	8.40
556	14	.80	..	1.44	635D	7	.95	6	1.68	H-813A	9	6.5	..	8.40
556B	14	.80	..	1.44	637	7	.89	6	1.68	H-814	9	6.3	..	10.50
556C	14	.80	..	1.44	637A	7	.89	6	1.68	H-815	9	10.3	..	13.00
557	14	.94	..	1.64	639	7	1.7	6	2.60	H-815A	9	10.3	..	13.00
					640A	7	1.6	6	2.60	H-816	9	13.8	..	17.50
562	15	.72	..	1.32						H-817	9	17.9	..	24.00
562B	15	.72	..	1.32	700	2	.09	6	.30	H-817A	9	17.9	..	24.00
563	15	.84	..	1.44	701	2	.13	6	.36					
563B	15	.84	..	1.44	702	2	.20	6	.44	SF-818	10	18.8	..	32.00
563C	15	.84	..	1.44	703	2	.33	6	.52	SF-818A	10	19.3	..	32.00
563D	15	.84	..	1.44	704	2	.44	6	.64	SF-819	10	23.6	..	39.00
563E	15	.84	..	1.44	705	2	.64	6	.76	SF-819A	10	25.3	..	47.00
563F	15	.84	..	1.44	706	2	.89	6	.92	SF-819AC	10	25.3	..	47.00
563G	15	.84	..	1.44						SF-819B	10	23.6	..	39.00
563H	15	.84	..	1.44	707	3	1.4	6	1.14	SF-820	10	29.5	..	60.00
564	15	1.1	..	1.64	708A	3	2.1	6	1.50	SF-820B	10	29.5	..	60.00
564C	15	1.1	..	1.64	709	3	2.7	6	2.30					
565	15	1.2	..	1.94						SFH-808	10	1.2	..	9.75
565C	15	1.2	..	1.94	721	4	.08	6	.34	SFH-808A	10	1.2	..	9.75
566	15	1.6	..	2.40	723	4	.11	6	.42	SFH-809	10	1.7	..	10.50
566B	15	1.6	..	2.40	725	4	.17	6	.50	SFH-809A	10	1.7	..	10.50
566C	15	1.6	..	2.40	725A	4	.17	6	.50	SFH-810	10	2.4	..	11.45
566D	15	1.6	..	2.40	725B	4	.17	6	.50	SFH-810A	10	2.4	..	11.45
567	15	2.5	..	3.20	727	4	.25	6	.62	SFH-811	10	3.4	..	12.70
567B	15	2.5	..	3.20	729	4	.39	6	.74	SFH-811A	10	3.4	..	12.70
567C	15	2.5	..	3.20	731	4	.75	6	.90	SFH-812	10	5.5	..	14.20
567D	15	2.5	..	3.20	731A	4	.75	6	.90	SFH-813	10	5.8	..	15.95
567E	15	2.5	..	3.20	731B	4	.75	6	.90	SFH-813A	10	5.8	..	15.95
567F	15	2.5	..	3.20	733	4	.97	6	1.10	SFH-814	10	7.6	..	18.00
568	15	3.3	..	4.40	735	4	.88	6	1.36	SFH-815	10	9.4	..	21.00
568B	15	3.3	..	4.40	737	4	2.	6	1.92	SFH-815A	10	9.4	..	21.00
568C	15	3.3	..	4.40						SFH-816	10	13.5	..	25.50
568D	15	3.3	..	4.40	800	8	.08	6	.36	SFH-817	10	18.2	..	32.45
568E	15	3.3	..	4.40	801	8	.11	6	.42	SFH-817A	10	18.2	..	32.45
568F	15	3.3	..	4.40	801A	8	.11	6	.42					
568G	15	3.3	..	4.40	802	8	.17	6	.50	901	17	.33	6	.80
568H	15	3.3	..	4.40	802A	8	.17	6	.50	901A	17	.33	6	.80
					803	8	.25	6	.58	901B	17	.33	6	.80
580	11	.05	6	.30	803A	8	.25	6	.58	902	17	.33	6	.80
581	11	.08	6	.34	804	8	.38	6	.70	903	17	.63	6	1.05
582	11	.11	6	.40	804A	8	.38	6	.70	903A	17	.63	6	1.05
583	11	.17	6	.48	805	8	.52	6	.84	904	17	.61	6	1.05
584	11	.25	6	.56	805A	8	.52	6	.84	904A	17	.61	6	1.05
585	11	.33	6	.68	806	8	.69	6	1.00					
586	11	.42	6	.82	806B	8	.69	6	1.00	905	17	1.2	6	1.40
587	11	.61	6	1.00	807	8	.95	6	1.24	905A	17	1.2	6	1.40
588	11	.83	6	1.24	807A	8	.95	6	1.24	906	17	1.2	6	1.40
589	11	1.2	6	1.62	808	8	1.4	6	1.56	906B	17	1.2	6	1.40
590	11	1.6	6	2.10	808A	8	1.4	6	1.56	907	17	1.9	6	1.85
					809	8	2.	6	2.08	907A	17	1.9	6	1.85
601	6	.08	6	.36	809A	8	2.	6	2.08	908	17	2.9	6	2.35
601A	6	.08	6	.36	810	8	2.9	..	2.80	908A	17	2.9	6	2.35
602	6	.12	6	.44	810A	8	2.9	..	2.80	909	17	4.	6	3.00
602A	6	.12	6	.44	811	8	3.1	..	3.70	909A	17	4.	6	3.00
603	6	.16	6	.52	811A	8	3.1	..	3.70	910	17	5.3	..	4.10
603A	6	.16	6	.52	812	8	4.3	..	4.80	910A	17	5.3	..	4.10
604	6	.23	6	.64	813	8	5.8	..	6.00	911	17	7.4	..	6.15
604A	6	.23	6	.64	813A	8	5.8	..	6.00	911A	17	7.4	..	6.15
605	6	.33	6	.76	814	8	7.3	..	7.50	912	17	7.4	..	6.15
605A	6	.33	6	.76	815	8	8.9	..	9.20					
606	6	.48	6	.90	815A	8	8.9	..	9.20	961A	22	.13	6	.80
606B	6	.48	6	.90	816	8	11.9	..	12.50	961H	23	.13	6	.80
607	6	.66	6	1.08	817	8	16.2	..	17.00	961J	23	.13	6	.80
607A	6	.66	6	1.08	817A	8	16.2	..	17.00	962D	22	.22	6	.88
608	6	1.1	6	1.36						962H	23	.22	6	.88
608A	6	1.1	6	1.36	818	8	20.3	..	22.00	963A	22	.3	6	.98
609	6	1.6	6	1.84	818A	9	20.3	..	22.00	963D	22	.3	6	.98
609A	6	1.6	6	1.84	819	9	24.5	..	29.00	963H	23	.3	6	.98
610	6	2.5	6	2.60	819A	9	34.5	..	37.00	964A	22	.31	6	1.04
610A	6	2.5	6	2.60										

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CARBON STEEL WRENCHES					"SUPERRENCHES" (Selected Alloy Steel)					"SUPERRENCHES" (Selected Alloy Steel)				
965A	22	.45	6	\$ 1.16	V-132	50	.28	..	\$ 2.10	1150	34	.02	6	\$.75
965D	22	.45	6	1.16	S-231	49	1.1	..	2.10	1151	34	.03	6	.81
965H	23	.45	6	1.16	SV-238	..	.59	..	1.58	1152	34	.04	6	.86
966D	22	.63	6	1.26	† S-239	..	.26	..	1.89	1153	34	.06	6	.92
966H	23	.63	6	1.26	S-243	50	.87	..	2.10	1159	44	.05	6	.93
967A	22	.92	6	1.42	SV-244	50	.37	..	1.83	1159A	44	.05	6	.93
967D	22	.92	6	1.42	1000	29	.07	..	.50	1160	44	.08	6	.95
967H	23	.92	6	1.42	1000A	29	.09	..	.50	1161	44	.09	6	1.05
968A	22	1.1	6	1.54	1001	29	.13	..	.58	1162	44	.13	6	1.15
968D	22	1.1	6	1.54	1002	29	.22	..	.73	1163	44	.21	6	1.24
968H	23	1.1	6	1.54	1003	29	.33	..	.90	1163A	44	.21	6	1.24
968P	23	1.1	6	1.54	1004	29	.48	..	1.10	1164	44	.28	6	1.38
969A	22	1.3	6	1.74	1005	29	.65	..	1.31	1165	44	.38	6	1.52
969H	23	1.3	6	1.74	1006	29	.92	..	1.58	1166	44	.5	6	1.70
970D	22	1.6	6	1.96	† 1006A	..	.92	..	1.58	1166A	44	.5	6	1.70
970S	22	1.6	6	1.96	1007	29	1.5	..	1.96	1167	44	.75	6	1.85
971A	22	1.9	6	2.20	1008	29	2.2	..	2.63	1167A	44	.75	6	1.78
971D	22	1.9	6	2.20	1008A	29	2.2	..	2.63	1168	44	1.1	6	2.08
971H	23	1.9	6	2.20	1009	29	2.8	..	3.98	1170	44	1.1	6	2.24
973A	22	2.9	6	3.00	1010	29	3.9	..	5.56	1171	44	1.8	6	2.70
973B	22	2.9	6	3.00	1010A	29	3.9	..	5.56	1172	44	1.6	6	3.27
973H	23	2.9	6	3.00	1011	29	4.8	..	7.25	1173	44	2.6	6	3.63
974H	23	3.5	6	3.40	1011A	29	4.8	..	7.25	1174	44	2.6	6	4.63
975A	22	4.2	6	3.70	1012	29	6.2	..	9.86	1176	44	3.9	6	5.03
975D	22	4.2	6	3.70	1012A	29	6.2	..	9.86	1205	32	1.	6	1.95
976A	22	5.3	6	4.24	1013	29	8.	..	12.75	1206B	32	1.	6	1.95
976B	22	5.3	6	4.24	1013A	29	8.	..	12.75	1207	32	1.8	6	2.73
976H	23	5.3	6	4.24	1014	29	10.	..	16.06	1207A	32	1.8	6	2.73
977A	22	7.2	6	4.80	1014A	29	10.	..	16.06	1208	32	2.7	6	3.68
977P	23	7.2	6	4.80	1021S	30	.09	6	.56	1208A	32	2.7	6	3.68
977X	23	7.2	6	4.80	1025	30	.18	6	.92	1209	32	3.6	6	5.03
978A	22	6.8	6	5.70	1027	30	.26	6	1.30	1209A	32	3.6	6	5.03
CARBON SETS					1027B	30	.26	6	1.30	1210	32	5.1	6	7.13
10A	5	12.5	..	\$ 13.15	1028	30	.37	6	1.30	1211	32	7.	6	10.50
25A	5	3.3	..	\$ 5.90	1029	30	.49	6	1.69	1212	32	7.	6	10.50
†400	..	1.9	..	7.25	1029B	30	.49	6	1.30	1312	43	.07	6	1.20
401	21	3.	..	9.45	1029C	30	.49	6	1.69	1314	43	.1	6	1.23
"ALWAYS READY"					1031	30	.66	6	1.69	1316	43	.17	6	1.35
1	26	.37	..	\$ 1.25	1031B	30	.66	6	1.69	1318	43	.19	6	1.46
2	26	.75	..	1.55	1032B	30	.79	6	1.69	1320	43	.25	6	1.63
2½	26	1.7	..	2.40	1033A	30	.79	6	1.69	1322	43	.44	6	1.78
3	26	2.7	..	3.50	1033C	30	.89	6	2.29	1324	43	.44	6	1.95
Bull T.	26	.31	..	.75	1034	30	1.2	6	2.15	1328	43	.54	6	2.10
"BULL DOG"					1034A	30	1.2	6	2.29	1332	43	.69	6	2.25
1	26	.25	6	\$.45	1036B	30	1.7	6	2.68	1334	43	1.	6	2.51
1½	26	.29	6	.75	1037	30	1.7	6	3.13	1336	43	1.	6	2.51
1¾	26	.56	6	1.10	1037A	30	1.7	6	3.13	1471	48	.28	6	3.20
2	26	.86	6	1.20	1039	30	2.2	..	4.58	1472	48	.54	6	3.70
2½	26	1.4	6	1.85	1039A	30	2.2	..	4.58	1474	48	.94	6	5.10
3	26	3.1	..	2.80	1039B	30	2.2	..	4.19	1700	29	.09	6	.50
3½	26	4.3	..	3.70	1039C	30	2.2	..	4.58	1701	29	.13	6	.58
4	26	7.9	..	5.60	1041	30	4.1	..	6.47	1702	29	.22	6	.73
4½	26	10.1	..	8.50	1041B	30	4.1	..	6.83	1703	29	.33	6	.90
5	26	13.8	..	11.00	1090	46	.09	..	1.02	1704	29	.48	6	1.10
Twin	26	1.1	..	1.90	1090A	46	.09	..	1.02	1705	29	.65	6	1.31
ADJUSTABLE WRENCHES					1090D	46	.19	..	1.02	1706	29	.92	6	1.58
4 in.	27	.11	6	\$ 1.00	1090G	46	.19	..	1.02	1707	29	1.5	6	1.96
6 in.	27	.28	6	1.00	1092	46	.22	..	1.09	1709	29	2.7	6	3.98
8 in.	27	.52	6	1.25	1092F	46	.22	..	1.09	1720	30	.09	6	.60
10 in.	27	.88	6	1.50	1094	46	.34	..	1.16	1721	30	.08	6	.60
12 in.	27	1.5	6	2.30	1094G	46	.34	..	1.16	†1721BR	..	.07	6	.79
15 in.	27	3.4	6	3.50	1096	46	.41	..	1.39	1723	30	.1	6	.70
18 in.	27	5.6	6	5.10	1106	34	.02	6	.74	1725	30	.16	6	.77
Pts. Ass't	27	2.5	..	13.04	1107	34	.02	6	.77	1725A	30	.16	6	.84
"SUPERJUSTABLE" ALLOY WRENCHES					1108	34	.03	6	.81	1725B	30	.16	6	.84
4 in.	28	.11	6	\$ 1.29	1108A	34	.03	6	.81	1727	30	.26	6	.99
6 in.	28	.27	6	1.29	1109	34	.03	6	.84	1729	30	.37	6	1.27
8 in.	28	.52	6	1.52	1112	34	.01	6	.74	1731	30	.6	6	1.69
10 in.	28	.90	6	1.94	1113	34	.01	6	.74	1731A	30	.6	6	1.69
12 in.	28	1.6	6	2.87	1114	34	.01	6	.74	1731B	30	.6	6	1.69
15 in.	28	3.6	6	4.22	1115	34	.01	6	.74	†1731BR	..	.98	6	4.52
18 in.	28	6.	6	7.00	1116	34	.01	6	.77	1733	30	.89	6	2.29
Pts. Ass't	28	2.5	..	14.80	1118	34	.03	6	.81	1735	30	1.7	6	2.68
"SUPERRENCHES" (Selected Alloy Steel)					1120	34	.03	6	.81	†1735BR	..	1.9	6	6.04
A-100	46	.25	..	\$ 1.23	1122	34	.04	6	.84	1737	30	1.7	6	3.13
A-100A	46	.25	..	1.23	1124	34	.04	6	.84	1800A	35	.07	6	.63
A-100B	46	.25	..	1.23	1128	34	.07	6	.92	1801	35	.11	6	.77
A-100C	46	.25	..	1.23	1132	34	.07	6	.92	1802	35	.19	6	.90
A-101	46	.31	..	1.23										

* Leatherette Roll

† Discontinued

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"SUPERRENCHES" (Selected Alloy Steel)					"SUPERRENCHES" (Selected Alloy Steel)					"SUPERRENCHES" (Selected Alloy Steel)				
1802A	35	.19	..	\$.90	†1992	..	.87	..	\$ 2.05	8809	38	3.6	..	\$ 6.05
1803	35	.31	..	1.05	†1992A	..	.87	..	2.05	8809A	38	3.6	..	6.37
1803A	35	.31	..	1.05	†1995	..	.42	..	2.36	8810	38	3.9	..	6.80
1804	35	.36	..	1.20	1997	51	.18	..	1.36	8810A	38	3.9	..	6.90
1804A	35	.36	..	1.20	1998B	51	.19	..	.97	8811	38	5.4	..	7.13
1805	35	.45	..	1.47	1999	48	1.2	6	4.20	8811A	38	5.4	..	7.29
1805A	35	.45	..	1.47	6025	40	.14	6	.99	8812	38	5.5	..	7.45
1806	35	.68	..	1.78	6723	40	.08	6	.95	8813	38	7.2	..	9.28
†1806A	..	.68	..	1.78	6725	40	.11	6	.99	8813A	38	7.2	..	9.28
1806B	35	.68	..	1.78	6725A	40	.14	6	.99	8814	38	7.9	..	10.27
1807	35	.89	..	2.15	6725B	40	.14	6	1.09	8815	38	9.7	..	11.42
1807A	35	.89	..	2.15	6727	40	.18	6	1.09	8815A	38	9.7	..	11.42
1808	35	1.5	..	2.73	7025	40	.22	6	1.06	8816	38	10.8	..	15.55
1808A	35	1.5	..	2.73	7027	40	.51	6	1.31	8816B	38	10.8	..	17.37
1809	35	1.9	..	3.68	7029	40	.51	6	1.46	8817	38	11.9	..	20.53
1809A	35	1.9	..	3.68	7029B	40	.51	6	1.39	8817A	38	11.9	..	20.53
1810	35	2.9	..	4.93	7031	40	.66	6	1.69	8905	37	1.2	..	2.70
1810A	35	2.9	..	4.93	7031B	40	.66	6	1.69	8905A	37	1.2	..	2.70
1811	35	3.1	..	6.52	7033A	40	.95	6	2.67	8906	37	1.4	..	2.98
1811A	35	3.1	..	6.52	7033C	40	.95	6	2.67	8906B	37	1.4	..	2.98
1812	35	4.3	..	8.45	7034A	40	1.3	6	3.04	8907	37	2.1	..	3.06
H-1808	36	1.6	..	3.62	7037	40	1.8	6	3.40	8907A	37	2.1	..	3.15
H-1808A	36	1.6	..	3.62	7037A	40	2.4	6	3.52	8908	37	2.5	..	3.31
H-1809	36	2.3	..	4.88	7039	40	2.4	..	4.03	8908A	37	2.5	..	3.31
H-1809A	36	2.3	..	4.88	7039A	40	2.4	..	4.03	8909	37	3.8	..	4.39
H-1810	36	3.1	..	6.57	7039B	40	2.4	..	3.52	8909A	37	3.8	..	4.72
H-1810A	36	3.1	..	6.57	7040B	40	5.6	..	4.75	8910	37	4.6	..	5.13
H-1811	36	3.8	..	8.67	7041	40	5.6	..	5.85	8910A	37	4.6	..	5.30
H-1811A	36	3.8	..	8.67	7723	40	.13	6	.95	8911	37	5.8	..	5.46
H-1812	36	5.4	..	11.23	7725	40	.16	6	.95	8911A	37	5.8	..	5.63
H-1813	36	6.5	..	14.23	7725A	40	.22	6	.99	8912	37	6.5	..	5.80
H-1813A	36	6.5	..	14.23	7725B	40	.22	6	.99	8913	37	8.4	..	7.61
H-1814	36	7.8	..	17.75	7727	40	.31	6	1.08	8914	37	9.5	..	8.61
H-1815	36	10.3	..	29.45	7727A	40	.48	6	1.31	8915	37	10.6	..	9.78
H-1815A	36	10.3	..	29.45	7729	40	.48	6	1.24	8916	37	12.1	..	11.40
H-1816	36	12.5	..	42.22	7729A	40	.66	6	1.54	9025	41	.22	6	.97
H-1817	36	16.3	..	57.75	7731A	40	.66	6	1.54	9723	41	.1	6	.90
H-1817A	36	16.3	..	57.75	7731B	40	.66	6	1.69	9725	41	.19	6	.97
SFH-1808	39	1.4	..	6.56	7733	40	.94	6	2.67	9725A	41	.22	6	.97
SFH-1808A	39	1.4	..	6.56	7735	40	2	6	3.04	9725B	41	.22	6	.97
SFH-1809	39	2.1	..	6.73	7735A	40	2	6	3.04	9727	41	.29	6	1.07
SFH-1809A	39	2.1	..	6.90	7742B	40	5.6	..	5.85	"SUPERRENCH" SETS (Selected Alloy Steel)				
SFH-1810	39	3	..	11.42	8025	41	.43	6	1.12	106	47	1.8	..	* 8.53
SFH-1810A	39	3	..	12.21	8027	41	.84	6	1.30	108	47	2.4	..	* 11.24
SFH-1811	39	3.9	..	12.94	8029	41	.84	6	1.41	1001	84	90.5	..	220.42
SFH-1811A	39	3.9	..	13.73	8029B	41	.84	6	1.41	†1001B	..	69	..	160.81
SFH-1812	39	5.5	..	14.49	8031	41	1	6	1.41	1005S	31	1.4	..	* 10.32
SFH-1813	39	6.8	..	15.25	8031B	41	1	6	1.41	1025A	31	2.3	..	* 9.53
SFH-1813A	39	6.8	..	16.01	8033A	41	1.1	6	2.05	1032	47	1.3	..	* 7.36
SFH-1814	39	8.2	..	19.84	8033C	41	1.1	6	2.05	1042	47	1.9	..	* 9.98
SFH-1815	39	10.7	..	20.63	8034A	41	1.3	6	3.10	†1063	..	1.8	..	* 5.78
SFH-1815A	39	10.8	..	21.39	8037	41	2.1	6	3.42	†1140	..	.39	..	* 7.82
SFH-1816	39	13.5	..	22.15	8037A	41	3.3	6	4.52	†1140P	..	.5	..	* 9.77
SFH-1817	39	18.2	..	27.53	8039	41	3.3	..	4.52	1141P	34	.5	..	* 11.17
SFH-1817A	39	18.2	..	26.74	8039A	41	3.3	..	4.52	†1148P	..	.23	..	* 5.41
1905	33	1.2	..	2.37	8039B	41	3.3	..	4.52	1149	34	.13	..	* 4.37
1906B	33	1.2	..	2.37	8040B	41	6.3	..	4.60	1149P	34	.25	..	* 5.87
1907	33	1.9	..	3.30	8041	41	5.7	..	4.68	1154S	34	.19	..	* 3.84
1907A	33	1.9	..	3.30	8045	41	8.5	..	8.10	†1168S	..	.8	..	5.67
1908	33	2.8	..	4.47	8049	41	10.2	..	10.32	†1169S	..	1.7	..	10.55
1908A	33	2.8	..	4.47	8053	41	14.7	..	17.00	1170S	45	2.2	..	* 9.62
1909	33	4.1	..	6.15	8723	41	.26	6	1.01	1171S	45	6.6	..	13.79
1909A	33	4.1	..	6.15	8725	41	.37	6	1.12	1172S	45	12.9	..	31.34
1910	33	5.6	..	8.50	8725A	41	.43	6	1.12	1173S	45	1	..	* 9.28
1910A	33	5.6	..	8.50	8725B	41	.43	6	1.12	†1285	..	1.3	..	10.19
1911	33	7.9	..	12.87	8727	41	.59	6	1.17	†1285P	..	1.4	..	12.13
1911A	33	7.9	..	12.87	8727A	41	.8	6	1.30	†1286PR	..	2.1	..	19.42
1912	33	7.9	..	12.87	8729	41	.8	6	1.30	†1291	..	1.5	..	14.70
†1956	..	1.8	..	3.15	8729A	41	1	6	1.41	†1291P	..	1.5	..	16.64
1960	52	.21	..	1.86	8731A	41	1	6	1.75	†1292PR	..	2.4	..	24.99
1961	52	.34	..	1.99	8731B	41	1	6	2.05	1400	48	1.8	..	* 12.90
1966A	49	.96	..	1.41	8733	41	1.4	6	3.42	1712A	31	10.5	..	23.21
1981A	49	.84	..	2.25	8735	41	2.3	6	3.42	2001	86	118.5	..	292.23
†1983	..	.15	..	2.21	8735A	41	2.3	6	4.68	6703	42	.44	..	* 3.49
1984X	49	.53	..	2.15	8742B	41	5.8	..	4.68	7006	42	3.4	..	* 10.26
†1987	..	2	..	7.04	8807	38	2.2	..	4.72	8005A	42	10.6	..	12.68
†1990	..	.21	..	1.73	8807A	38	2.2	..	4.80	8006	42	3.4	..	* 9.97
†1990A	..	.17	..	1.73	8808	38	2.6	..	4.97	9703	42	.44	..	* 3.69
†1990B	..	.21	..	1.73	8808A	38	2.6	..	5.30					
†1990C	..	.21	..	1.73										

* In Leatherette Roll.

† Discontinued

DROP-FORGINGS AND **WILLIAMS** DROP-FORGED TOOLS

NUMERICAL INDEX

LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

Wrench No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price	Wrench No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price	Wrench No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price
"SUPERSOCKETS"					"SUPERSOCKETS"					"SUPERSOCKETS"				
NMP-1	54	.02	6	\$.93	H-140	76	1.2	3	\$ 6.57	ST-1216	67	.12	6	\$.63
NMP-2	54	.03	6	.93	S-140	66	.34	6	2.35	SU-1216	67	.24	3	2.42
NMR-2	91	.03	6	.79	B-150	60	.03	6	.56	B-1218	61	.07	6	.56
BP-2	60	.06	6	1.41	BM-150	60	.03	6	.78	BD-1218	61	.13	6	.76
BP-3	60	.13	6	1.41	H-150	76	.27	3	1.27	BU-1218	61	.1	6	2.29
NMR-4	91	.03	6	.79	HH-150	76	.2	3	1.60	SD-1218	68	.26	6	1.08
BP-4	60	.13	6	1.41	MM-150	54	.03	6	.63	† SD-1218S	67	.24	6	1.37
BC-6	60	.19	6	2.09	NM-150	54	.02	6	.63	SF-1218	67	.13	6	.83
NMR-6	91	.06	6	.79	X-150	80	.54	6	2.66	ST-1218	67	.11	6	.63
SC-8	66	.37	6	2.42	XX-150	80	.53	6	2.83	SU-1218	67	.25	3	2.42
NMR-8	91	.09	6	.79	HMX-151	76	.44	3	1.73	ST-1219	67	.13	6	.63
NMR-10	91	.13	6	.79	NM-406	55	.03	6	.38	B-1220	61	.09	6	.56
S-10	66	1.8	3	2.56	NM-407	55	.03	6	.38	BD-1220	61	.16	6	.76
B-15	60	1.1	6	1.86	NM-408	55	.03	6	.38	BU-1220	61	.11	6	2.29
NMR-15	91	.08	6	1.05	NAM-604	89	.03	6	.63	SD-1220	68	.26	6	1.16
S-15	66	2	3	2.56	NAM-605	89	.03	6	.63	ST-1220	67	.14	6	.63
B-20A	60	.26	6	1.41	NAM-606	89	.03	6	.63	SU-1220	67	.26	3	2.42
H-20A	76	2.7	3	3.63	NM-606	55	.01	6	.38	ST-1221	67	.14	6	.74
NM-20A	54	.1	6	.99	NAM-607	89	.03	6	.63	B-1222	61	.11	6	.63
S-20A	66	.96	6	1.86	NM-607	55	.02	6	.38	BD-1222	61	.22	6	.83
NX-20B	80	4.4	6	2.28	AB-608	89	.06	6	.79	BU-1222	61	.11	6	2.48
NX-20C	80	1.4	6	3.04	B-608	61	.04	6	.56	SD-1222	68	.26	6	1.16
B-30	60	.5	6	1.60	NM-608	55	.02	6	.38	ST-1222	67	.16	3	.74
SB-30	66	.14	6	1.02	NMD-608	55	.03	6	.59	SU-1222	67	.27	3	2.42
B-40	60	.57	6	2.66	NM-609	55	.02	6	.38	B-1224	61	.13	6	.63
S-40	66	1.4	6	3.81	NMD-609	55	.02	6	.59	BD-1224	61	.22	6	.87
SB-40	66	.16	6	1.06	AB-610	89	.06	6	.79	BU-1224	61	.13	6	2.48
H-41	76	4.6	3	7.65	AS-612	89	.11	6	.90	SD-1224	68	.37	6	1.16
H-41B	76	2	3	.62	SC-614	52	.30	6	1.48	ST-1224	67	.19	6	.81
S-41	66	1.9	6	3.94	AS-616	89	.13	6	.90	SU-1224	67	.29	3	2.42
NX-41	80	9.3	6	22.24	AS-618	89	.15	6	.90	ST-1225	67	.21	6	.81
† B-42	60	.61	6	2.84	AS-620	89	.14	6	.90	BD-1226	61	.24	6	1.01
B-42B	60	.15	6	.35	NM-810	55	.03	6	.38	SD-1226	68	.37	6	1.23
NM-42	54	.25	6	1.54	† S-810	67	.14	6	.70	ST-1226	67	.24	6	.81
NM-42B	54	.08	6	.25	ST-810	67	.14	6	.70	H-1228	77	.41	4	1.08
† S-42	66	1.8	6	4.10	NM-812	55	.05	6	.38	SD-1228	68	.45	6	1.23
S-42B	66	.35	6	.40	† S-812	67	.14	6	.70	SD-1228T	68	.29	6	1.23
B-50	60	.43	6	3.78	ST-812	67	.14	6	.70	ST-1228	67	.28	6	.87
B-50A	60	.43	6	3.78	BD-814	61	.09	6	.90	H-1230	77	.4	4	1.15
B-50B	60	.43	6	3.46	† S-814	67	.14	6	.70	HD-1230	77	.75	6	1.70
H-50	76	5.3	3	11.00	ST-814	67	.14	6	.70	SD-1230	68	.51	6	1.38
S-50	66	1.3	6	4.73	BD-816	61	.13	6	.90	ST-1230	67	.32	6	.95
B-51	60	.44	6	4.54	† S-816	67	.17	6	.70	H-1231	77	.43	4	1.15
B-51A	60	.44	6	4.54	ST-816	67	.17	6	.70	ST-1231	67	.34	6	.95
H-51	76	5.4	3	13.83	BD-818	61	.14	6	.96	H-1232	77	.5	4	1.15
MR-51	90	.29	6	2.42	† S-818	67	.23	6	.77	SD-1232	68	.52	6	1.47
NM-51	54	.16	6	3.52	ST-818	67	.23	6	.77	ST-1232	67	.38	6	.95
S-51	66	1.4	6	6.04	† S-0818	67	.14	6	.95	H-1234	77	.51	4	1.31
NX-51	80	11.5	6	30.66	ST-0818	67	.14	6	.95	HD-1234	77	.9	6	1.95
S-55	66	.5	6	5.12	BD-820	61	.18	6	.96	ST-1234	67	.39	6	1.06
S-57	66	3.7	6	32.50	† S-820	67	.3	6	.77	SD-1234	68	.63	6	1.59
S-102P	66	.27	6	1.15	ST-820	67	.3	6	.77	NX-1234	81	1.1	4	1.90
NM-102	54	.06	6	.78	† S-822	67	.32	6	.84	H-1236	77	.58	4	1.39
H-104	76	.88	3	2.32	ST-822	67	.32	6	.84	ST-1236	67	.43	6	1.23
NM-106	54	.19	6	1.14	† S-824	67	.38	6	.92	SD-1236	68	.74	6	1.73
B-108	60	.16	6	1.06	ST-824	67	.38	6	.92	NX-1236	81	1.2	4	1.90
B-110	60	.23	6	1.10	† S-828	67	.53	6	1.06	H-1238	77	.69	4	1.47
H-110	76	1.5	3	2.55	ST-828	67	.53	6	1.06	ST-1238	67	.51	6	1.30
NM-110	54	.34	6	1.70	† S-832	67	.65	6	1.26	H-1240	77	.67	4	1.54
S-110P	66	.53	6	1.15	ST-832	67	.65	6	1.26	HD-1240	77	1.2	6	2.40
NX-110	80	3.7	6	4.70	BC-1001	61	.11	6	.92	ST-1240	67	.53	6	1.37
B-115	60	.44	6	1.24	BC-1003	61	.18	6	1.06	NX-1240	81	1.2	4	2.08
H-115	76	2.8	3	3.17	B-1210	61	.04	6	.56	H-1242	77	.78	4	1.62
NM-115	54	.17	6	.98	NM-1210	55	.02	6	.38	H-1244	77	.78	4	1.77
S-115P	66	1	6	1.58	NMD-1210	55	.04	6	.59	NX-1244	81	1.3	4	2.22
NX-115	80	7.1	6	6.07	B-1211	61	.05	6	.56	H-1246	77	.88	4	1.93
NM-116	54	.35	6	1.32	NM-1211	55	.03	6	.38	HD-1246	77	1.6	6	2.65
B-118	60	.84	6	1.66	NMD-1211	55	.04	6	.59	NX-1246	81	1.3	4	2.33
S-121P	66	2.1	6	2.38	B-1212	61	.05	6	.56	H-1248	77	1	4	2.70
NM-126	54	.09	6	1.20	BD-1212	61	.09	6	.71	NX-1248	81	1.4	6	2.83
† BM-130	66	.05	6	.95	BU-1212	61	.09	6	2.29	H-1252	77	1	6	2.86
BS-130	60	.13	6	1.06	NM-1212	55	.03	6	.38	NX-1252	81	1.9	6	3.19
HMX-130	76	1.7	3	2.66	NMD-1212	55	.04	6	.59	H-1254	77	1.3	6	3.01
HX-130	76	.59	3	1.60	ST-1212	67	.1	6	.63	H-1256	77	1.3	6	3.09
MB-130	54	.05	6	.95	B-1214	61	.05	6	.56	H-1258	77	1.9	6	3.24
† MM-130	66	.02	6	.95	BD-1214	61	.1	6	.71	NX-1258	81	2.1	6	4.09
SH-130	66	.31	6	1.31	BU-1214	61	.09	6	2.29	H-1260	77	1.9	6	3.47
XX-130	80	1.2	6	3.47	NM-1214	55	.04	6	.38	NX-1260	81	2.3	6	4.70
BS-131	60	.15	6	1.06	NMD-1214	55	.04	6	.59	H-1264	77	2.1	6	3.86
MB-131	54	.05	6	.95	ST-1214	67	.11	6	.63	NX-1264	81	2.4	6	5.01
† MM-131	66	.03	6	.95	B-1216	61	.06	6	.56	H-1266	77	2.5	6	4.30
SH-131	66	.44	6	1.36	BD-1216	61	.1	6	.71	H-1268	77	2.6	6	4.55
XX-131	80	.93	6	3.47	BU-1216	61	.09	6	2.29	NX-1268	81	3	6	6.10
B-140	60	.13	6	2.24	NM-1216	55	.05	6	.38	H-1270	77	2.6	6	5.00
					SD-1216	68	.27	6	1.08					

† Discontinued

DROP-FORGINGS AND **WILLIAMS** DROP-FORGED TOOLS

NUMERICAL INDEX LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price	No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price	No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price
"SUPERSOCKETS"					"SUPERECTOR" WRENCHES and SOCKETS					SCREW DRIVERS				
NX-1270	81	3.	..	\$ 6.53	E1-24	92	9.3	..	\$ 15.75	4	97	.19	6	\$.91
H-1272	77	2.5	..	6.57	E1-36	92	12.8	..	24.75	WP-4	98	.53	6	.83
NX-1272	81	3.3	..	6.98	E2-36	92	20.9	..	31.50	6	97	.38	6	1.23
NX-1276	81	3.6	..	8.35	E2-48	92	21	..	40.50	6B	97	.5	6	1.35
NX-1280	81	3.2	..	10.02	E3-48	92	40.6	..	63.00	8	97	.59	6	1.53
NX-1282	81	6.3	..	10.86	E1-416	92	2.6	..	4.85	12	97	.75	6	1.83
NX-1284	81	6.3	..	12.14	E1-417	92	2.6	..	4.85	24	97	.19	6	.83
NX-1288	81	6.7	..	13.66	E1-418	92	2.6	..	4.90	26	97	.33	6	1.13
NX-1294	81	7.2	..	18.22	E1-420	92	2.6	..	5.00	28	97	.53	6	1.40
NX-12100	81	8.3	..	21.99	E1-421	92	2.6	..	5.10	32	97	.66	6	1.70
BC-1700	61	OS	6	.84	E1-423	92	2.8	..	5.20	43	97	.00	6	.65
BC-1701	61	OS	6	.84	E1-424	92	2.8	..	5.30	46	97	.14	6	.83
BC-1702	61	11	6	.99	E1-426	92	2.9	..	5.40	50	97	.17	6	.96
BC-1703	61	18	6	.99	E1-429	92	3.3	..	5.65	52	97	.03	12	.28
"SUPERSOCKET" SETS					E1-430	92	3.3	..	5.75	62	97	.14	6	.56
B-1	62	1.8	..	12.08	E1-432	92	3.5	..	5.90	WP-62	98	.00	6	.48
H-1	78	14.9	..	29.60	E1-435	92	4.	..	6.20	SCREW DRIVER SETS				
NM-1	56	1.1	..	7.40	E1-436	92	4.	..	6.40	1D Set	99	2.3	..	6.06
S-1	70	4.8	..	16.35	E1-617	92	2.6	..	4.85	2D "	99	1.8	..	5.06
NX-1	82	78.8	..	130.43	E1-618	92	2.6	..	4.90	3D "	99	5	..	2.72
B-2	62	.75	..	16.41	E1-620	92	2.5	..	5.00	WP-5	99	1.3	..	3.05
H-2	78	20.8	..	38.03	E1-621	92	2.5	..	5.10	PUNCHES				
NM-2	56	1.6	..	12.62	E1-623	92	2.5	..	5.20	P-4	102	.16	6	.46
S-2	70	5.1	..	15.35	E1-624	92	2.5	..	5.30	P-6	102	.25	6	.55
NX-2	83	35.1	..	52.30	E1-626	92	2.6	..	5.40	P-8	102	.53	6	.66
B-3	62	.5	..	5.64	E1-627	92	2.6	..	5.50	P-13	102	.28	6	.55
H-3	79	41.1	..	76.76	E1-628	92	2.6	..	5.60	P-14	102	.41	6	.66
NM-3	57	1.1	..	6.53	E1-629	92	2.8	..	5.65	P-25	102	.22	6	.65
S-3	71	5.1	..	16.07	E1-630	92	2.8	..	5.75	P-26	102	.41	6	.75
NX-3	83	57.3	..	89.33	E1-632	92	3.2	..	5.90	P-30	102	.13	6	.40
B-4	63	6.6	..	24.75	E1-633	92	3.2	..	6.00	P-40	102	.16	6	.40
NM-4	57	1.	..	8.86	E1-635	92	3.6	..	6.20	CHISELS				
S-4	71	8.2	..	24.91	E1-636	92	3.6	..	6.40	C-8	102	.06	6	.46
† SD-4A	..	1.8	..	5.93	E2-432	92	5.7	..	9.70	C-12	102	.16	6	.55
† 5	..	6.5	..	25.62	E2-435	92	6.	..	10.00	C-16	102	.31	6	.63
B-5	64	11.4	..	57.56	E2-438	92	6.5	..	10.40	C-20	102	.5	6	.75
NM-5	58	1.6	..	13.02	E2-441	92	7.1	..	10.80	C-24	102	.78	6	.91
S-5	72	18.	..	43.56	E2-444	92	7.9	..	11.30	C-36	102	1.6	3	1.45
† B-6	..	7.3	..	26.78	E2-447	92	9.	..	11.85	C-422	102	1.4	3	1.45
B-6	65	10.5	..	41.25	E2-450	92	10	..	12.40	PUNCH AND CHISEL SETS				
NM-6	58	2.1	..	19.05	E2-632	92	5.5	..	9.70	C-6	103	4.3	..	* 5.45
S-6	73	20.3	..	51.29	E2-635	92	5.8	..	10.00	P-9	103	3.	..	* 5.80
† SD-6	..	2.3	..	8.61	E2-638	92	6.3	..	10.40	PC-15	103	7.2	..	*11.00
† 7-A	..	9.5	..	46.15	E2-641	92	6.7	..	10.80	SOFT-FACE HAMMERS				
NM-7	59	1.8	..	16.62	E2-644	92	7.2	..	11.30	100-1	100	.31	6	2.40
S-7	74	27.	..	77.50	E2-647	92	8.	..	11.85	100-2	100	.31	6	2.40
S-7A	74	30.	..	86.24	E2-650	92	9.	..	12.40	100-3	100	.31	6	2.40
NM-8	59	4.	..	37.07	E3-450	92	16.	..	20.10	100-4	100	.31	6	3.00
S-8	68	2.4	..	7.71	E3-456	92	17.	..	20.80	105-1	100	.5	6	2.80
S-9	68	1.6	..	5.40	E3-462	92	18.3	..	21.60	105-2	100	.5	6	2.80
S-10	75	50.4	..	100.93	E3-468	92	19.9	..	22.55	105-3	100	.5	6	2.80
S-11	70	1.3	..	12.10	E3-474	92	22.5	..	23.65	105-4	100	.5	6	3.30
† 12	..	2.4	..	10.71	E3-650	92	14.9	..	20.10	150-1	100	.75	6	3.60
R-19A	91	2.8	..	18.06	E3-656	92	15.6	..	20.80	150-2	100	.75	6	3.60
† 20	..	23.	..	44.31	E3-662	92	16.8	..	21.60	150-3	100	.75	6	3.60
† 21	..	6.8	..	15.44	E3-668	92	17.9	..	22.55	150-4	100	.75	6	5.30
† 21R	..	4.9	..	17.27	E3-674	92	18.4	..	23.65	155-1	100	1.3	6	4.20
† 26	..	25.5	..	52.08	"SUPERECTOR" SET					155-2	100	1.3	6	4.20
† 30	..	25.5	..	51.29	E1-12	92	42.	..	74.40	155-3	100	1.3	6	4.20
† 36	..	27.8	..	58.64	PLIERS					155-4	100	1.3	6	5.60
† 50A	..	28.8	..	51.66	5	96	.27	6	.65	200-1	100	1.3	6	4.80
† 51	..	22.3	..	32.07	6	96	.44	6	.65	200-2	100	1.3	6	4.80
† 55B	..	41.5	..	88.20	8	96	.53	6	.90	200-3	100	1.3	6	4.80
† 55C	..	43.5	..	92.93	10	96	.88	6	1.25	200-4	100	1.3	6	7.60
† 76	..	53.	..	80.85	37	96	.5	6	1.20	205-1	100	2.	6	5.40
† 81	..	32.	..	46.46	46	96	.35	6	1.95	205-2	100	2.	6	5.40
† AL-100	..	10.	..	26.25	47	96	.25	6	2.09	205-3	100	2.	6	5.40
AL-102	89	4.1	..	19.24	76	96	.52	6	2.15	205-4	100	2.	6	8.20
1001	84	90.5	..	220.42	1515	51	.33	..	2.20	207-1	100	3.	4	6.60
† 1001-B	..	69	..	160.81	1517	51	.75	..	2.28	207-2	100	3.	4	6.60
† 1269	..	1.1	..	7.30	1519	95	.08	6	1.40	207-3	100	3.	4	6.60
† 1269P	..	1.3	..	9.24	1520	95	.57	6	1.93	207-4	100	3.	4	9.05
† 1269PR	..	1.5	..	13.55	1521	95	1.6	6	3.90	SCREW DRIVERS				
† 1285	..	1.3	..	10.19	WP-1	98	.06	12	.53	WP-1	98	.19	12	.53
† 1285P	..	1.4	..	12.13	WP-2	98	.19	12	.56	WP-2	98	.19	12	.56
† 1286PR	..	2.1	..	19.42	WP-3	98	.31	12	.65	WP-3	98	.31	12	.65
† 1291	..	1.5	..	14.70	SCREW DRIVERS									
† 1291P	..	1.5	..	16.64										
† 1292PR	..	2.4	..	24.99										
2001	86	118.5	..	292.23										

* In Leatherette Roll
† Discontinued

DROP-FORGINGS AND **WILLIAMS** DROP-FORGED TOOLS

NUMERICAL INDEX

LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

No.	Page	Weight Each. Lbs.	Min. Order Qty.	List Price	No.	Page	Weight Each. Lbs.	Min. Order Qty.	List Price	No.	Page	Weight Each. Lbs.	Min. Order Qty.	List Price
SOFT-FACE HAMMERS					FLANGE-JACKS					TOOL HOLDERS				
250-1	101	2	4	\$ 7.80	20	112	13	2 Pr.	\$ 24.00	3	120	24.1	...	\$60.00
250-2	101	2	4	7.80	30	112	45	...	48.00	3B	121	42.4	...	84.00
250-3	101	2	4	7.80	TOOL POSTS					3-K-0	128	1	...	12.80
250-4	101	2	4	12.00	5	132	.5	...	.82	3-K-1	128	1.8	...	14.40
255-1	101	4	4	9.00	10	132	1.1	...	1.05	3-K-2	128	2.2	...	16.80
255-2	101	4	4	9.00	20	132	2.2	...	1.40	3L	117	3.3	...	8.65
255-3	101	4	4	9.00	23	132	1.6	...	1.65	T-3L	114	3.7	...	9.60
255-4	101	4	4	12.60	28	132	2.2	...	1.90	3R	117	3.3	...	8.65
300-1	101	3.5	2	12.00	30	132	3.1	...	2.10	T-3R	114	3.7	...	9.60
300-2	101	3.5	2	12.00	40	132	4.7	...	3.05	3S	117	3.2	...	8.65
300-3	101	3.5	2	12.00	50	132	6.6	...	3.95	T-3S	114	3.5	...	9.60
300-4	101	3.5	2	19.60	60	132	14.2	...	7.95	4	120	39.5	...	\$96.00
305-1	101	6	2	15.00	TOOL POST WEDGES					4B	121	68	...	120.00
305-2	101	6	2	15.00	5	132	.08	...	.27	4L	117	5	...	11.00
305-3	101	6	2	15.00	10	132	.19	...	.30	T-4L	114	5	...	12.15
305-4	101	6	2	20.50	11	132	.19	...	.30	4R	117	4.9	...	11.00
307-2	101	9	1	19.20	15	132	.19	...	.33	T-4R	114	5	...	12.15
307-3	101	9	1	19.20	18	132	.25	...	.34	4S	117	4.5	...	11.00
307-4	101	9	1	25.60	20	132	.30	...	.35	T-4S	114	4.9	...	12.15
308-2	101	12	1	21.60	30	132	.36	...	.40	5	120	69.1	...	\$144.00
308-3	101	12	1	21.60	40	132	.56	...	.47	5L	117	8	...	15.60
308-4	101	12	1	28.90	60	132	.78	...	.56	T-5L	114	8.3	...	17.30
SOFT-FACE HAMMER TIPS					65	132	.91	...	.61	5R	117	7.9	...	15.60
10-1	101	.05	12	.60	TOOL POST RINGS					T-5R	114	8.3	...	17.30
10-2	101	.05	12	.60	5	132	.30	...	.33	5S	117	7.1	...	15.60
10-3	101	.05	12	.60	10	132	.65	...	.47	T-5S	114	8	...	17.30
10-4	101	.05	12	.90	11	132	.56	...	.52	6L	117	12.3	...	21.60
15-1	101	.14	6	1.00	14	132	.94	...	.75	6R	117	12.3	...	21.60
15-2	101	.14	6	1.00	18	132	1.3	...	.94	6S	117	12	...	21.60
15-3	101	.14	6	1.00	20	132	.94	...	.82	8	122	2	...	\$7.85
15-4	101	.14	6	1.70	30	132	1.3	...	1.00	08	122	.91	...	4.80
20-1	101	.27	4	1.50	40	132	1.9	...	1.15	08-X	122	.88	...	3.85
20-2	101	.27	4	1.50	60	132	2.3	...	1.50	9	122	3.8	...	\$9.30
20-3	101	.27	4	1.50	TOOL HOLDERS					09	122	1.5	...	6.00
20-4	101	.27	4	2.70	0B	122	.50	...	4.80	09-X	122	1.5	...	4.70
25-1	101	.44	2	2.70	0B-X	122	.44	...	3.85	10	122	6.6	...	\$12.25
25-2	101	.44	2	2.70	0BB	121	5.2	...	22.40	010	122	2.9	...	8.65
25-3	101	.44	2	2.70	000L	117	.31	...	4.30	010-X	122	2.8	...	6.80
25-4	101	.44	2	4.50	000R	117	.31	...	4.30	11	122	11	...	\$17.35
30-1	101	.66	2	4.45	000S	117	.31	...	4.30	12	122	16	...	\$25.60
30-2	101	.66	2	4.45	00-B	122	1.2	...	\$7.85	11-K	122	1.9	...	14.40
30-3	101	.66	2	4.45	00K	128	.53	...	9.00	011	122	4.9	...	12.00
30-4	101	.66	2	8.10	00L	117	.44	...	4.30	011-X	122	4.8	...	10.00
WHEEL PULLER					00R	117	.44	...	4.30	12-K	122	2.25	...	16.80
5	90	1.7	3	7.35	00S	117	.44	...	4.30	012	122	7.6	...	16.80
CHAIN PIPE TONGS					00-T	123	.61	...	6.65	012-X	122	7.5	...	14.40
0	109	2	...	5.00	OK	128	.63	...	9.60	013	122	12.1	...	21.60
1	109	5.5	...	7.00	OKH	...	.56	...	5.00	013-X	122	12	...	18.80
2	109	10	...	10.00	OL	117	.69	...	4.55	014	122	20.4	...	31.20
3	109	17	...	14.00	OLH	...	.62	...	2.10	014-X	122	20.6	...	28.00
3-1/2	109	26	...	18.00	OR	117	.69	...	4.55	15	119	.88	...	6.65
4	109	34	...	22.00	ORH	...	.62	...	2.10	15H	119	.63	...	5.00
5	109	54	...	36.00	OS	117	.63	...	4.55	015	122	38.8	...	55.20
10	110	2	...	5.00	OSH	...	.59	...	2.10	015-X	122	38.8	...	49.60
11	110	5.75	...	7.00	0530	126	.75	...	4.55	16	119	1.6	...	8.40
12	110	10	...	10.00	0532	126	1.1	...	4.80	17	119	2.8	...	10.80
13	110	17	...	14.00	0597	126	1.6	...	5.30	18	119	4.6	...	13.85
13-1/2	110	24	...	18.00	0598	126	2.7	...	6.00	19	125	.44	...	* 4.55
14	110	31	...	22.00	T0L-H	131	.69	...	3.55	20	125	.69	...	* 4.80
15	110	52	...	36.00	T0R-H	131	.69	...	3.55	† N-020R	...	.42	...	4.55
16	110	137	...	80.00	T0S-H	131	.63	...	3.55	† N-20R	...	.74	...	* 4.80
30	111	2	...	5.00	1B	121	18	...	36.00	† N-20RH	...	.68	...	2.50
31	111	5.75	...	7.00	1K	128	1.3	...	10.80	S-20	124	.78	...	7.20
32	111	10	...	10.00	1L	117	1.3	...	5.20	† NS-20	...	.94	...	7.20
33	111	17	...	14.00	T-0L	114	.75	...	5.10	21	125	1.3	...	* 5.75
33-1/2	111	24	...	18.00	T-1L	114	1.4	...	5.75	† N-21R	...	1.4	...	* 5.75
34	111	31	...	22.00	1R	117	1.3	...	5.20	S-21	124	1.5	...	8.65
35	111	52	...	36.00	T-OR	114	.75	...	5.10	† NS-21	...	1.31	...	8.65
CHAIN PIPE VISES					T-1R	114	1.5	...	5.75	22	125	2.1	...	* 7.20
1	105	4	6	7.00	1S	117	1.2	...	5.20	† N-22R	...	2.1	...	* 7.20
† V-1	107	18.75	...	31.00	T-OS	114	.61	...	5.10	S-22	124	2.4	...	10.80
AV-1	107	18.75	...	32.50	T-1S	114	1.5	...	5.75	† NS-22	...	2.17	...	10.80
2	105	10	3	15.00	2	120	15	...	\$43.20	23	125	3.3	...	* 9.60
3	105	18	...	27.00	2B	121	25.9	...	48.00	† N-23R	...	3.4	...	* 9.60
4	105	30	...	36.00	2K	128	1.9	...	12.80	S-23	124	3.9	...	14.40
11	104	7	3	10.00	2L	117	2.1	...	6.40	† NS-23	...	3.94	...	14.40
12	104	15	3	19.00	T-2L	114	2.4	...	7.20	24	125	4.5	...	*12.00
21	106	5.75	3	9.60	2R	117	2.2	...	6.40	† N-24R	...	4.4	...	*12.00
					T-2R	114	2.4	...	7.20	25	125	4.8	...	*13.75
					2S	117	2	...	6.40	† N-25R	...	4.6	...	*13.75
					T-2S	114	2.4	...	7.20	29L	125	.49	...	* 4.55
										29R	125	.47	...	* 4.55
										30L	125	.75	...	* 4.80
										30R	125	.75	...	* 4.80
										† N-030L	...	.46	...	4.55

† Complete with Sleeve Bar; with Plain Bar, less

* Complete with Cut-Off Blade; with Slide Blade, extra.

† Old Number—Superseded by New Number Series.

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NUMERICAL INDEX

LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price	No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price	No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price
TOOL HOLDERS					TOOL HOLDERS					BLADES FOR SIDE TOOL HOLDERS				
† N-030R	..	.46	..	\$ 4.55	† 200S	..	1.6	..	\$ 4.55	.....	133	All Sizes	..	.....
† N-30L	..	.75	..	* 4.80	201L	118	1.8	..	5.20	CUTTERS FOR BORING BARS				
† N-30R	..	.75	..	* 4.80	201R	118	1.8	..	5.20	.....	133	All Sizes	..	.....
† N-30RH	..	.70	..	2.50	201S	118	1.8	..	5.20	CUTTERS FOR PLANING TOOL HOLDERS				
S-30R	124	.91	..	7.20	† 202L	..	3.2	..	6.40	.....	133	All Sizes	6	.....
S-30RA	124	.84	..	7.20	† 202R	..	3.2	..	6.40	"HOME-CRAFT" CUTTER SET				
† NS-30R	..	.90	..	7.20	† 202S	..	3.2	..	6.40	Set of 6	131	..	6	\$ 3.20
† NS-30RA	..	.85	..	7.20	† 204L	..	3.2	..	11.00	LATHE DOGS				
31L	125	1.4	..	* 5.75	† 204R	..	3.2	..	11.00	1	134	.32	6	1.00
31R	125	1.4	..	* 5.75	† 204S	..	3.2	..	11.00	2	134	.56	6	1.10
† N-31L	..	1.4	..	* 5.75	401	127	3.8	..	9.60	3	134	1.0	6	1.20
† N-31R	..	1.4	..	* 5.75	2010L	130	.64	..	2.10	4	134	1.5	6	1.40
S-31R	124	1.7	..	8.65	2010R	130	.64	..	2.10	5	134	1.9	6	1.70
† NS-31R	..	1.47	..	8.65	2010S	130	.63	..	2.10	6	134	2.6	6	2.00
32L	125	2.2	..	* 7.20	2020R	130	.69	..	2.50	7	134	3.3	6	2.40
32R	125	2.3	..	* 7.20	2020S	130	.63	..	2.50	8	134	4.1	6	2.80
† N-32L	..	2.3	..	* 7.20	2030	130	.88	..	5.00	9	134	5.4	..	3.60
† N-32R	..	2.3	..	* 7.20	2040	130	.59	..	5.00	10	134	7.0	..	4.60
S-32R	124	2.7	..	10.80	2050	130	.66	..	4.20	11	134	10.0	..	6.00
† NS-32R	..	2.38	..	10.80	TOOL HOLDER SETS					12	134	12.0	..	9.00
33L	125	3.5	..	* 9.60	00A	113	5.6	..	53.05	13	134	20.0	..	16.00
33R	125	3.7	..	* 9.60	0A	113	8.6	..	56.50	21	136	.19	..	1.00
† N-33L	..	3.7	..	* 9.60	M-0A	116	3.1	..	25.60	22	136	.34	..	1.10
† N-33R	..	3.7	..	* 9.60	1A	113	16.0	..	67.70	23	136	.66	..	1.20
S-33R	124	4.3	..	14.40	M-1A	116	5.8	..	27.10	24	136	1.06	..	1.40
† NS-33R	..	3.81	..	14.40	2A	113	25.0	..	87.10	25	136	1.5	..	1.70
34L	125	4.9	..	* 12.00	M-2A	116	9.2	..	31.95	26	136	2.0	..	2.00
34R	125	4.8	..	* 12.00	3	113	34.5	..	88.40	27	136	2.7	..	2.40
† N-34L	..	4.9	..	* 12.00	M-3A	116	13.3	..	47.60	28	136	3.5	..	2.80
† N-34R	..	4.9	..	* 12.00	4	113	32.0	..	93.10	29	136	4.6	..	3.60
35L	125	5.2	..	* 13.75	M-4A	116	18.9	..	52.10	30	136	6.0	..	4.60
35R	125	5.0	..	* 13.75	Home-Craft	130	7.0	..	24.25	31	136	9.0	..	6.00
† N-35L	..	5.0	..	* 13.75	CARBOLLOY-TIPPED TURNING CUTTER BITS					32	136	11.0	..	9.00
† N-35R	..	5.0	..	* 13.75	M-11	115	.03	6	.95	33	136	19.5	..	16.00
40	127	2.2	..	7.45	M-12	115	.06	6	.95	61	139	.53	3	3.00
41	127	6.0	..	12.55	M-13	115	.07	6	1.00	62	139	.98	3	4.00
42	127	11.1	..	19.85	M-14	115	.16	4	1.50	63	139	1.8	3	5.00
43	127	20.6	..	34.80	M-15	115	.25	4	1.50	64	139	3.0	3	7.00
44	127	31.0	..	62.40	M-17	115	.44	4	2.00	72-H	131	.28	6	.85
45	127	53.0	..	91.20	M-41	115	.03	6	.95	73-H	131	.50	6	1.00
46	126	1.1	..	6.40	M-42	115	.06	6	.95	74-H	131	.91	6	1.25
47	126	3.3	..	7.20	M-43	115	.07	6	1.00	76-H	131	1.1	6	1.40
48	126	6.0	..	9.00	M-44	115	.16	4	1.50	112	135	15.0	..	16.00
50	123	.8	..	6.65	M-45	115	.25	4	1.50	113	135	21.5	..	24.00
† C-050	..	.5	..	6.65	M-47	115	.44	4	2.00	114	135	30.7	..	34.00
† C-50	..	.6	..	6.65	M-71	115	.03	6	.95	132	137	13.0	..	16.00
† C-50H	..	.4	..	4.20	M-72	115	.06	6	.95	133	137	20.5	..	24.00
S-50	123	.75	..	8.00	M-73	115	.07	6	1.00	134	137	28.0	..	34.00
51	123	1.3	..	8.00	M-74	115	.16	4	1.50	MILLING MACHINE DOGS				
† C-51	..	1.3	..	8.00	M-75	115	.25	4	1.50	42	138	.75	..	1.10
S-51	123	1.5	..	10.25	M-77	115	.44	4	2.00	43	138	.93	..	1.20
52	123	2.3	..	10.25	M-121	115	.03	6	1.10	44	138	1.2	..	1.40
† C-52	..	2.3	..	10.25	M-122	115	.06	6	1.10	45	138	1.3	..	1.70
S-52	123	2.5	..	10.25	M-123	115	.07	6	1.30	46	138	1.6	..	2.00
53	123	3.3	..	13.20	M-124	115	.16	4	1.60	47	138	1.8	..	2.40
† 080	..	1.3	..	7.85	M-125	115	.25	4	1.60	48	138	2.1	..	2.80
† 80	..	2.2	..	7.85	M-127	115	.44	4	2.30	"C" CLAMPS				
† 81	..	3.1	..	9.30	EXTRA LIGHT BORING BARS					0	140	.25	6	1.00
† 82	..	6.7	..	12.25	.....	119	All Sizes	6	.....	1	140	.75	6	1.50
† 83	..	10.3	..	17.35	EXTRA KNURLS					1-1/2	140	1.6	6	2.50
† 91	..	2.1	..	7.45	.....	129	All Sizes	3 Pr.	.....	2	140	3.1	6	3.50
† 92	..	3.4	..	9.60	CUTTERS FOR TURNING TOOL HOLDERS					3	140	6.5	6	5.00
† 93	..	6.0	..	12.55	.....	133	All Sizes	12	.....	4	140	9.7	6	6.50
† 94	..	12.0	..	19.85	CUTTERS FOR THREADING TOOL HOLDERS					5	140	12.3	..	8.00
† 95	..	20.6	..	34.80	.....	133	All Sizes	..	.....	6	140	16.5	..	10.00
† 96	..	35.0	..	62.40	BLADES FOR CUTTING-OFF TOOL HOLDERS					8	140	24.0	..	14.00
† 97	..	57.0	..	91.20	.....	133	All Sizes	6	.....	10	140	28.0	..	19.00
100-L	118	.56	..	4.30	TOOL HOLDERS					12	140	40.0	..	25.00
100-R	118	.56	..	4.30	200S	..	1.6	..	\$ 4.55					
100-S	118	.55	..	4.30	201L	118	1.8	..	5.20					
101-L	118	1.0	..	4.55	201R	118	1.8	..	5.20					
101-R	118	1.0	..	4.55	201S	118	1.8	..	5.20					
101-S	118	1.0	..	4.55	202L	..	3.2	..	6.40					
102-L	118	2.8	..	6.40	202R	..	3.2	..	6.40					
102-R	118	2.8	..	6.40	202S	..	3.2	..	6.40					
102-S	118	2.8	..	6.40	204L	..	3.2	..	11.00					
103-L	118	5.4	..	11.00	204R	..	3.2	..	11.00					
103-R	118	5.5	..	11.00	204S	..	3.2	..	11.00					
103-S	118	5.3	..	11.00	401	127	3.8	..	9.60					
† 0200L	..	.59	..	4.30	2010L	130	.64	..	2.10					
† 0200R	..	.59	..	4.30	2010R	130	.64	..	2.10					
† 0200S	..	.57	..	4.30	2010S	130	.63	..	2.10					
† 200L	..	1.1	..	4.55	2020R	130	.69	..	2.50					
† 200R	..	1.1	..	4.55	2020S	130	.63	..	2.50					

* Complete with Sleeve Bar; with Plain Bar, less.

* Complete with Cut-Off Blade, with Side Blade, extra

† Old Number—Superseded by New Number Series

NUMERICAL INDEX

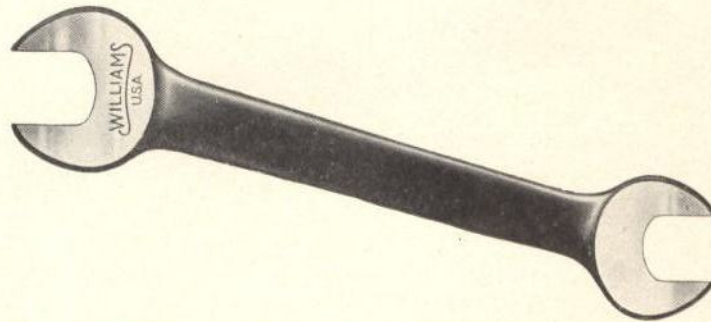
LIST PRICES, WEIGHTS AND MINIMUM ORDER QUANTITIES

No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price	No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price	No.	Page	Weight Each, Lbs.	Min. Order Qty.	List Price			
"C" CLAMPS					MACHINE HANDLES					MISCELLANEOUS EYE BOLTS							
103	141	2.6	6	\$ 4.00	00	147	.06	6	\$.21	1 to 55	156	.....	25	.....		
104	141	4.3	6	4.50	0	147	.09	6	.21	ROD ENDS							
106	141	5.5	6	5.50	1	147	.13	6	.23	0B to 4B	157	.....	..	.....
108	141	7	6	6.50	2	147	.22	6	.29	5A to 17A	157	.....	..	.....
110	141	7.5	..	7.50	3	147	.31	6	.36	THUMB NUTS AND SCREWS							
112	141	9.5	..	8.50	4	147	.37	6	.46	Thumb Nut Blanks "A"							
115	141	13.5	..	11.00	5	147	.62	6	.57	Page 150							
118	141	17	..	14.00	6	147	1.3	6	.69	For Bolt; Size	Weight, Lbs. Per 100	Minimum Order Quantity					
				Plain Screw	7	147	1.7	6	.84	1/8	.62	100					
201	144	.25	3	1.00	11	147	.22	6	.29	3/16	1.3	100					
202	144	.33	3	1.30	13	147	.43	6	.46	1/4	2.3	100					
203	144	.56	3	1.70	15	147	.75	6	.57	5/16	4	100					
204	144	.9	3	2.50	16	147	1.1	6	.69	3/8	6.2	100					
				Swivel Screw						7/16	9.1	25					
201	144	.25	3	1.50	HOIST HOOKS					1/2	12.7	25					
202	144	.33	3	1.80	2	152	.59	..	.32	9/16	16.2	25					
203	144	.56	3	2.30	3	152	.78	..	.37	5/8	22.5	25					
204	144	.9	3	3.20	4	152	1	..	.44	3/4	37	25					
301	145	.6	3	3.00	5	152	1.6	..	.58	Thumb Nut Blanks "B"							
302	145	1.4	3	4.00	6	152	2.1	..	.85	Page 150							
303	145	1.9	3	5.00	7	152	3	..	1.25	1/8	.94	100					
304	145	3.1	3	6.00	8	152	4.4	..	1.80	3/16	1.6	100					
				Std. Finish	9	152	6.2	..	2.45	1/4	2.8	100					
402	142	1.1	6	1.50	10	152	8	..	3.20	5/16	4.2	100					
403	142	1.5	6	1.80	11	152	10	..	4.10	3/8	6.8	100					
404	142	2.3	6	2.20	12	152	13.3	..	5.60	7/16	9.5	25					
406	142	3.8	6	3.00	13	152	17.8	..	7.80	1/2	13.7	25					
408	142	5.5	6	4.00	14	152	26.7	..	12.00	9/16	15.3	25					
410	142	8.3	..	5.00	15	152	44	..	23.00	5/8	21.8	25					
412	142	12.5	..	6.50	15A	152	46	..	39.00	3/4	38	25					
				Spatul Resisting	16	152	75	..	60.00	Thumb Screw Blanks "C"							
402-S	143	1.1	6	1.80	16A	152	65	..	70.00	Pages 150 and 151							
403-S	143	1.5	6	2.25	22	153	.53	6	.36	1/8 x 1	.94	100					
404-S	143	2.3	6	2.90	23	153	.75	6	.43	1/8 x 2	1.3	25					
406-S	143	3.8	6	3.75	24	153	1.1	6	.53	1/8 x 3	1.6	25					
408-S	143	5.5	6	4.75	25	153	1.5	6	.73	1/8 x 4	2.1	25					
410-S	143	8.3	..	6.00	26	153	2.2	6	1.05	3/16 x 1	2.1	100					
412-S	143	12.5	..	7.50	27	153	3	6	1.50	3/16 x 2	3.4	25					
					28	153	4.4	6	2.10	3/16 x 3	4.3	25					
30	146	.37	6	.40	29	153	6	6	2.85	3/16 x 4	5.6	25					
35	146	.62	6	.50	30	153	8	..	3.70	1/4 x 1	4	100					
40	146	.87	6	.70	31	153	10.3	..	4.70	1/4 x 2	5.3	25					
44	146	.83	6	.60	32	153	14	..	6.40	1/4 x 3	7.8	25					
46	146	1.6	6	1.00	33	153	20	..	9.40	1/4 x 4	8.7	25					
48	146	3.3	6	1.70	34	153	31.5	..	18.50	5/16 x 1	6.2	100					
54	146	1	6	.60	35	153	51.7	..	35.00	5/16 x 2	7.8	25					
56	146	1.8	6	1.00	36	153	86	..	86.00	5/16 x 3	10.6	25					
58	146	3.8	6	1.70	36A	153	88	..	100.00	5/16 x 4	13.7	25					
59	146	6.6	6	2.80	*EYE BOLTS					3/8 x 1	10	100					
54A	146	1.1	6	1.10	3	154	.17	12	.26	3/8 x 2	12.5	25					
56A	146	2	6	1.70	4	154	.23	12	.29	3/8 x 3	16	25					
58A	146	3.9	6	2.60	5	154	.33	12	.34	3/8 x 4	19.3	25					
59A	146	7.1	6	4.00	6	154	.5	12	.40	7/16 x 1	13.7	25					
64	146	1	6	.60	7	154	.68	12	.51	7/16 x 2	16.5	25					
66	146	2	6	1.00	8	154	1.1	12	.67	7/16 x 3	21.2	25					
68	146	4	6	1.70	9	154	1.5	12	.88	7/16 x 4	26.2	25					
74	146	1	6	.60	10	154	2.1	..	1.18	1/2 x 1	16.2	25					
76	146	2	6	1.00	11	154	3	..	1.66	1/2 x 2	21.2	25					
78	146	4.2	6	1.70	12	154	4.2	..	2.32	1/2 x 3	27	25					
110	146	5.8	..	2.50	14	154	6.8	..	4.00	1/2 x 4	32.5	25					
112	146	10.3	..	3.70	15	154	10.9	..	6.00	9/16 x 1	21	25					
BALANCE HANDLES					16	154	15.1	..	8.48	9/16 x 2	27.5	25					
434	148	1.3	..	4.90	17	154	31	..	14.08	9/16 x 3	35.3	25					
439	148	2.8	..	5.90	21	155	.05	12	.22	9/16 x 4	42.8	25					
512	148	.25	..	2.30	22	155	.1	12	.24	5/8 x 1	26.8	25					
516	148	.56	..	2.45	23	155	.2	12	.26	5/8 x 2	34.3	25					
520	148	.75	..	2.65	24	155	.26	12	.29	5/8 x 3	46.5	25					
522	148	1.1	..	2.90	25	155	.4	12	.34	5/8 x 4	54.6	25					
525	148	1.3	..	3.30	26	155	.54	12	.40	3/4 x 1	38.7	25					
529	148	1.6	..	3.85	27	155	.72	12	.51	3/4 x 2	53	25					
CRANK HANDLES					28	155	1.1	12	.67	3/4 x 3	66	25					
00	149	.38	..	1.85	29	155	1.8	12	.88	3/4 x 4	78.7	25					
0	149	.43	..	2.00	30	155	2.4	..	1.18								
1	149	.78	..	2.30	31	155	3.5	..	1.66								
2	149	.75	..	2.30	32	155	4.6	..	2.32								
4	149	1	..	2.65	34	155	7.5	..	4.00								
6	149	1.1	..	3.15	35	155	12.5	..	6.00								
8	149	1.2	..	3.85	36	155	18	..	8.48								
10	149	1.6	..	4.75													
12	149	2.4	..	5.80													
14	149	2.5	..	6.50													
16	149	3.2	..	8.15													

* Threaded Eye Bolt prices; Blanks less.

STANDARD SPECIFICATIONS
FOR
WILLIAMS' ♦“SUPERIOR” DROP-FORGED WRENCHES
(Carbon Steel)

Williams' "Superior" Wrenches, drop-forged from improved quality carbon steel and specially processed to Williams' exacting specifications, are approximately *twice as strong* as old-fashioned carbon steel wrenches. Over 1000 sizes in a wide range of patterns.



Finish

Openings milled or broached, surface and edges smooth, sizes stamped on heads, hardened and black enameled (baked on)—heads polished bright.

All openings are slightly larger than stated in tables to allow for clearance and variations.

Special Milling

On small quantities where special openings are specified, an extra charge will be made to cover the cost of "setting up" machines. No extra charge will be made for this special work when quantities are sufficient to cover the cost.

A sample Nut or Screw, as gauge, should accompany orders.

Special Wrenches

made to order. Prices will be quoted upon receipt of models, or drawings and specifications stating kind of finish (see above description) and quantity required.

When Ordering

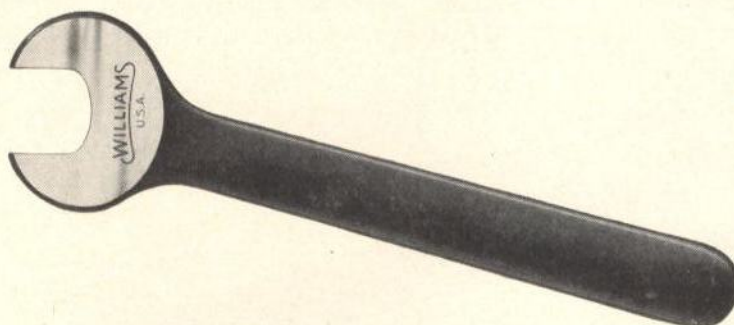
please use numbers and state whether requirements are for American Standard HEAVY (U.S.S.), American Standard LIGHT (S.A.E.), American Standard REGULAR, Whitworth Standard or m/m openings and condition of finish desired.

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERIOR" ENGINEERS' WRENCHES
(Carbon Steel)

15° Angle, Single Head

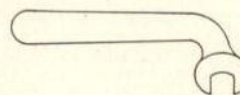
For Standard Nuts and Cap Screws



These Wrenches are milled, surface and edges smooth, size stamped on head, hardened and black enameled (baked on)—heads bright.

Wrenches of this style but with handle tapered will be furnished on orders for the larger sizes, beginning with No. 11.

Handles can be bent above heads at angles of 45° to 90° from opening, at an additional charge; see cut at right.



(Continued on opposite page)

No.	Nominal Opening	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Amer. Std. Hex Head Cap Screw; Diam. Screw	Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	Amer. Std. REGULAR Nut; Size Bolt	Ex-treme Length, Approx.	LIST PRICE Each	No.
S 000	3/16	.....	.....	.....	*Nos. 2 & 3	2 1/2	\$.28	S 000
S 00	1/4	.....	.....	.....	*No. 4	2 7/8	.28	S 00
00	5/16	1/8	1/8	.....	*Nos. 5 & 6	3 1/2	.28	00
700	3/8	.....	3/16	.....	*No. 10	4	.30	700
0	13/32	3/16	.....	.....	.....	4	.30	0
701	7/16	.....	1/4	1/4	1/4 & *No. 12	4 5/8	.36	701
1	1/2	1/4	5/16	5/16	.....	4 5/8	.36	1
702	9/16	.....	3/8	3/8	5/16	5 1/2	.44	702
2	19/32	5/16	.....	.....	.....	5 1/2	.44	2
703	5/8	.....	7/16	7/16	3/8	6 3/8	.52	703
3	11/16	3/8	.....	.....	.....	6 3/8	.52	3
704	3/4	.....	1/2	1/2	7/16	7 1/4	.64	704
4	25/32	7/16	.....	.....	.....	7 1/4	.64	4
705	13/16	.....	9/16	.....	1/2	8 1/8	.76	705
5	7/8	1/2	5/8	9/16	9/16	8 1/8	.76	5
6	15/16	9/16	.....	5/8	.....	9 1/4	.92	6
706	1	.....	3/4	.....	5/8	9 1/4	.92	706

*Amer. Std. Machine-Screw and Stove-Bolt Nuts.

Weights: see numerical index

♦ REGISTERED TRADE MARK

(Alloy Steel Wrenches, page 29)

3-49

WILLIAMS' + "SUPERIOR" ENGINEERS' WRENCHES
(Carbon Steel)

15° Angle, Single Head
For Standard Nuts and Cap Screws
(Continued)

Supplied in Whitworth Standard and Metric Measure; see page 158.

The following Wrenches have hole of diameter given below in end of handle:

No.	17	17A	18	18A	19	19A	19B	19C	20	20A	20B	21A	21B	21C	22A	22B
Hole	5/8	5/8	3/4	3/4	7/8	7/8	7/8	7/8	1	1	1	1-1/8	1-1/8	1-1/8	1-1/4	1-1/4"

No.	Nominal Opening	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Amer. Std. Hex Head Cap Screw; Diam. Screw	Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	Amer. Std. REGULAR Nut; Size Bolt	Ex-treme Length, Approx.	LIST PRICE Each	No.
7	1 1/16	5/8		3/4		10 1/2	\$ 1.14	7
707	1 1/8		7/8		3/4	10 1/2	1.14	707
8	1 1/4	3/4	(†1)	7/8		12	1.50	8
8A	1 5/16		1		7/8	12	1.50	8A
708A	1 3/8		(†1 1/8)			12	1.50	708A
9	1 7/16	7/8		1		13 1/2	2.30	9
709	1 1/2		1 1/8 (†1 1/4)		1	13 1/2	2.30	709
10	1 5/8	1		1 1/8		15	3.20	10
10A	1 11/16		1 1/4		1 1/8	15	3.20	10A
11	1 13/16	1 1/8		1 1/4		16 1/2	4.20	11
11A	1 7/8				1 1/4	16 1/2	4.20	11A
12	2	1 1/4		1 3/8		18 1/4	5.70	12
12A	2 1/16				1 3/8	18 1/4	5.70	12A
13	2 3/16	1 3/8		1 1/2		20	7.30	13
13A	2 1/4				1 1/2	20	7.30	13A
14	2 3/8	1 1/2				22	9.20	14
14A	2 7/16				1 5/8	22	9.20	14A
15	2 9/16	1 5/8				24	11.20	15
15A	2 5/8				1 3/4	24	11.20	15A
16	2 3/4	1 3/4				27	13.40	16
16B	2 13/16				1 7/8	27	13.40	16B
16A	2 15/16	1 7/8				27	13.40	16A
17A	3				2	30	20.50	17A
17	3 1/8	2				30	20.50	17
18A	3 3/8				2 1/4	34	29.50	18A
18	3 1/2	2 1/4				34	29.50	18
19B	3 3/4				2 1/2	38	42.00	19B
19	3 7/8	2 1/2				38	42.00	19
19C	4 1/8				2 3/4	38	42.00	19C
19A	4 1/4	2 3/4				38	42.00	19A
20B	4 1/2				3	42	62.00	20B
20	4 5/8	3				42	62.00	20
20A	5	3 1/4				42	62.00	20A
21A	5 3/8	3 1/2				47	114.00	21A
21B	5 3/4	3 3/4				47	114.00	21B
21C	6 1/8	4				47	114.00	21C
22A	6 7/8	4 1/2				52	204.00	22A
22B	7 5/8	5				52	204.00	22B

†Old style cap screw—now obsolete.

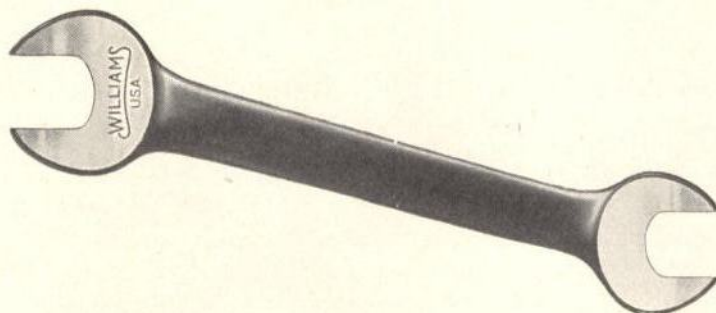
Weights: see numerical index

◆ REGISTERED TRADE MARK

(Alloy Steel Wrenches, page 29)

WILLIAMS' "SUPERIOR" ENGINEERS' WRENCHES (Carbon Steel)

15° Angle, Double Head



These Wrenches are milled, surface and edges smooth, size stamped on head, hardened and black enameled (baked on)—heads bright.

Supplied in Whitworth Standard and Metric Measure; see pages 158 and 159.

No.	Nominal Openings	Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts	Amer. Std. Hex Head Cap Screws; Diam. Screws	Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts	Amer. Std. REGULAR Nuts; Size Bolts	Ex-treme Length, Approx.	LIST PRICE Each	No.
721	5/16 & 3/8	1/8	1/8 & 3/16			4 1/8	\$.34	721
723	3/8 & 7/16		3/16 & 1/4	1/4	1/4	4 1/2	.42	723
725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	5 1/4	.50	725
725A	7/16 & 9/16		1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	5 1/4	.50	725A
725B	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5/16	5 3/4	.50	725B
25	1/2 & 19/32	1/4 & 5/16	5/16	5/16		5 3/4	.50	25
727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	6 1/4	.62	727
27	19/32 & 11/16	5/16 & 3/8				6 3/4	.62	27
27B	5/8 & 11/16	3/8	7/16	7/16	3/8	6 3/4	.62	27B
28	19/32 & 25/32	5/16 & 7/16				7 1/4	.74	28
729	5/8 & 3/4		7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	7 1/4	.74	729
29B	11/16 & 3/4	3/8	1/2	1/2	7/16	7 7/8	.74	29B
29	11/16 & 25/32	3/8 & 7/16				7 7/8	.74	29
29C	11/16 & 13/16	3/8	9/16		1/2	7 7/8	.74	29C
731	3/4 & 13/16		1/2 & 9/16	1/2	7/16 & 1/2	9 1/8	.90	731
731A	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	9 1/8	.90	731A
31B	25/32 & 13/16	7/16	9/16		1/2	9 1/8	.90	31B
31	25/32 & 7/8	7/16 & 1/2	5/8	9/16	9/16	9 1/8	.90	31
731B	13/16 & 7/8	1/2	9/16 & 5/8	9/16	1/2 & 9/16	9 1/8	.90	731B
32B	13/16 & 15/16	9/16	9/16	5/8	1/2	10	1.10	32B
33A	7/8 & 15/16	1/2 & 9/16	5/8	9/16 & 5/8	9/16	10	1.10	33A
733	7/8 & 1	1/2	5/8 & 3/4	9/16	9/16 & 5/8	10	1.10	733
33C	15/16 & 1	9/16	3/4	5/8	5/8	10	1.10	33C
34	7/8 & 1 1/16	1/2 & 5/8	5/8	9/16 & 3/4	9/16	11	1.36	34
34A	15/16 & 1 1/16	9/16 & 5/8		5/8 & 3/4		11	1.36	34A
735	1 & 1 1/8		3/4 & 7/8		5/8 & 3/4	11	1.36	735
36B	1 1/16 & 1 1/8	5/8	7/8	3/4	3/4	12 3/8	1.92	36B
37	1 1/16 & 1 1/4	5/8 & 3/4		3/4 & 7/8		12 3/8	1.92	37
737	1 1/8 & 1 1/4	3/4	7/8	7/8	3/4	12 3/8	1.92	737
37A	1 1/8 & 1 5/16		7/8 & 1		3/4 & 7/8	12 3/8	1.92	37A
39B	1 1/4 & 1 5/16	3/4	1	7/8	7/8	14	2.80	39B
39	1 1/4 & 1 7/16	3/4 & 7/8		7/8 & 1		14	2.80	39
39A	1 5/16 & 1 1/2		1 & 1 1/8		7/8 & 1	14	2.80	39A
39C	1 3/8 & 1 7/16	7/8		1		14	2.80	39C

★ REGISTERED TRADE MARK

Weights; see numerical index

(Alloy Steel Wrenches, page 30)

WILLIAMS' "SUPERIOR" ENGINEERS' WRENCHES (Carbon Steel)

15° Angle, Double Head—(Continued)

No.	Nominal Openings	Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts	Amer. Std. Hex Head Cap Screws; Diam. Screws	Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts	Amer. Std. REGULAR Nuts; Size Bolts	Ex-treme Length, Approx.	LIST PRICE Each	No.
41	1 7/16 & 1 5/8	7/8 & 1	.....	1 & 1 1/8	.....	15 3/4	\$ 3.80	41
41B	1 1/2 & 1 5/8	1	1 1/8	1 1/8	1	15 3/4	3.80	41B
42A	1 1/2 & 1 11/16	.....	1 1/8 & 1 1/4	.....	1 & 1 1/8	17	5.30	42A
43	1 5/8 & 1 13/16	1 & 1 1/8	.....	1 1/8 & 1 1/4	.....	17	5.30	43
44A	1 11/16 & 1 7/8	.....	1 1/4	.....	1 1/8 & 1 1/4	19	7.20	44A
45	1 13/16 & 2	1 1/8 & 1 1/4	.....	1 1/4 & 1 3/8	.....	19	7.20	45
45A	1 7/8 & 2 1/16	.....	.....	.....	1 1/4 & 1 3/8	19	7.20	45A
47	2 & 2 3/16	1 1/4 & 1 3/8	.....	1 3/8 & 1 1/2	.....	21	10.50	47
47B	2 1/16 & 2 1/4	.....	.....	.....	1 3/8 & 1 1/2	21	10.50	47B
49	2 3/16 & 2 3/8	1 3/8 & 1 1/2	.....	1 1/2	.....	23	14.00	49
49A	2 1/4 & 2 7/16	.....	.....	.....	1 1/2 & 1 5/8	23	14.00	49A
51	2 3/8 & 2 9/16	1 1/2 & 1 5/8	.....	.....	.....	25	19.80	51
51A	2 7/16 & 2 5/8	.....	.....	.....	1 5/8 & 1 3/4	25	19.80	51A
53	2 9/16 & 2 3/4	1 5/8 & 1 3/4	.....	.....	.....	27	24.00	53
53A	2 5/8 & 2 13/16	.....	.....	.....	1 3/4 & 1 7/8	27	24.00	53A
54C	2 3/4 & 2 15/16	1 3/4 & 1 7/8	.....	.....	.....	30	28.50	54C
55A	2 13/16 & 3	.....	.....	.....	1 7/8 & 2	32	31.00	55A
55B	2 15/16 & 3 1/8	1 7/8 & 2	.....	.....	.....	32	31.00	55B
57B	3 & 3 3/8	.....	.....	.....	2 & 2 1/4	36	47.00	57B
57	3 1/8 & 3 1/2	2 & 2 1/4	.....	.....	.....	36	47.00	57
58A	3 3/8 & 3 3/4	.....	.....	.....	2 1/4 & 2 1/2	38	62.00	58A
58	3 1/2 & 3 7/8	2 1/4 & 2 1/2	.....	.....	.....	38	62.00	58
60A	3 3/4 & 4 1/8	.....	.....	.....	2 1/2 & 2 3/4	40	75.00	60A
60	3 7/8 & 4 1/4	2 1/2 & 2 3/4	.....	.....	.....	40	75.00	60
62A	4 1/8 & 4 1/2	.....	.....	.....	2 3/4 & 3	43	94.00	62A
62	4 1/4 & 4 5/8	2 3/4 & 3	.....	.....	.....	43	94.00	62
63A	4 5/8 & 5	3 & 3 1/4	.....	.....	.....	47	135.00	63A
64A	5 & 5 3/8	3 1/4 & 3 1/2	.....	.....	.....	47	155.00	64A

"SUPERIOR" DROP-FORGED WRENCH SETS (Carbon Steel)



SET No. 25A
LIST PRICE
In Leatherette Roll **\$5.90**
In Cardboard Box **\$4.25**

CONTENTS

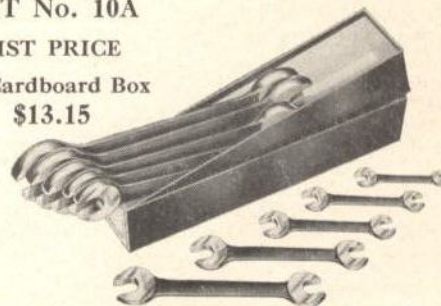
One each Nos. 723, 25, 727, 29, 731A and 33C with all popular openings 3/8" to 1".

See Previous Page and Table Above for Individual Wrench Opening and Bolt Size Tabulation.

★ REGISTERED TRADE MARK

(Alloy Steel Wrenches and Sets, pages 30 and 31)

SET No. 10A
LIST PRICE
In Cardboard Box **\$13.15**



CONTENTS

One each Nos. 723, 25, 727, 29, 731, 33A, 735, 37, 39A and 39C with openings 3/8" to 1-7/16"

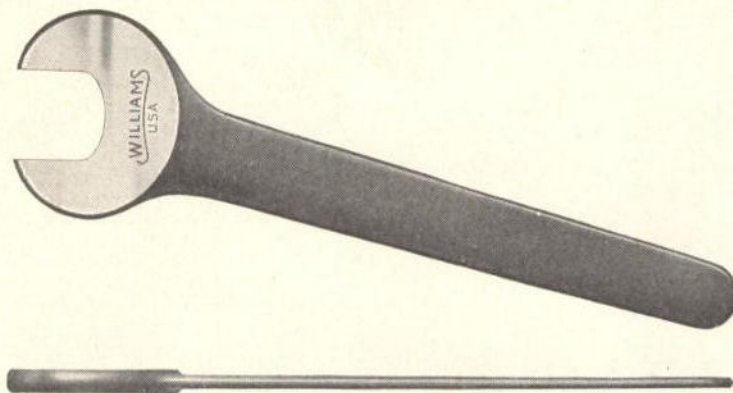
Weights: see numerical index

DROP-FORGINGS AND **WILLIAMS** DROP-FORGED TOOLS

WILLIAMS' ♦ "SUPERIOR" CHECK NUT, OR "THIN" WRENCHES (Carbon Steel)

15° Angle, Single Head

For Check, Jam, or Lock Nuts, etc.



This class of Wrench is guaranteed amply strong for its intended purpose, but is not designed for severe service.

Supplied in Whitworth Standard and Metric Measure; see page 159.

These Wrenches are milled, surface and edges smooth, size stamped on head, hardened and black enameled (baked on)—heads bright.

No.	Nominal Opening	Amer Std. HEAVY Jam Nut (U.S.S.); Size Bolt	Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	Amer. Std. REGULAR Jam Nut; Size Bolt	Ex-treme Length, Approx.	Thickness Head	LIST PRICE Each	No.
601A	7/16	.....	1/4	1/4	4	5/32	\$.36	601A
601	1/2	1/4	5/16	.....	4	5/32	.36	601
602A	9/16	.....	3/8	5/16	4 1/2	11/64	.44	602A
602	19/32	5/16	.....	.....	4 1/2	11/64	.44	602
603A	5/8	.....	7/16	3/8	5 1/8	3/16	.52	603A
603	11/16	3/8	.....	.....	5 1/8	3/16	.52	603
604A	3/4	.....	1/2	7/16	5 7/8	7/32	.64	604A
604	25/32	7/16	.....	.....	5 7/8	7/32	.64	604
605A	13/16	.....	.....	1/2	6 5/8	1/4	.76	605A
605	7/8	1/2	9/16	9/16	6 5/8	1/4	.76	605
606	15/16	9/16	5/8	.....	7 1/2	9/32	.90	606
606B	1	.....	.....	5/8	7 1/2	9/32	.90	606B
607	1 1/16	5/8	3/4	.....	8 1/2	5/16	1.08	607
607A	1 1/8	.....	.....	3/4	8 1/2	5/16	1.08	607A
608	1 1/4	3/4	7/8	.....	10	3/8	1.36	608
608A	1 5/16	.....	.....	7/8	10	3/8	1.36	608A
609	1 7/16	7/8	1	.....	11 5/8	7/16	1.84	609
609A	1 1/2	.....	.....	1	11 5/8	7/16	1.84	609A
610	1 5/8	1	1 1/8	.....	13 1/4	1/2	2.60	610
610A	1 11/16	.....	.....	1 1/8	13 1/4	1/2	2.60	610A

Weights: see numerical index

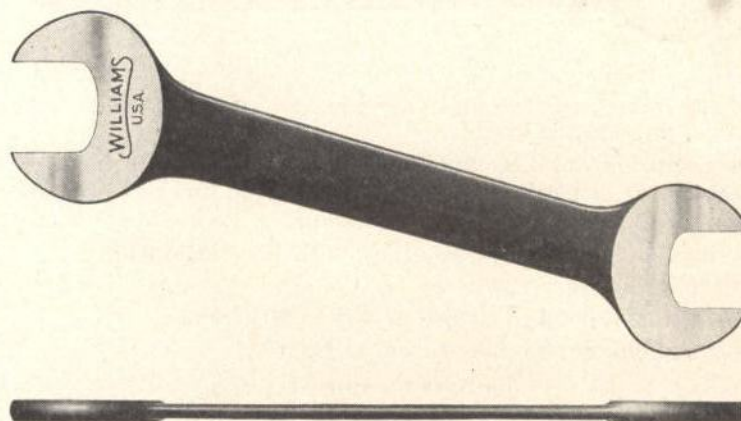
♦ REGISTERED TRADE MARK

3-49

**WILLIAMS' + "SUPERIOR" CHECK NUT,
OR "THIN" WRENCHES
(Carbon Steel)**

15° Angle, Double Head

For Check, Jam, or Lock Nuts, etc.



For description, see opposite page. Whitworth and Metric sizes, see page 159.

No.	Nominal Openings	Amer. Std. HEAVY Jam Nuts (U.S.S.); Size Bolts	Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts	Amer. Std. REGULAR Jam Nuts; Size Bolts	Extreme Length, Approx.	Thick- ness Heads	List Price Each	No.
623D	7/16 & 1/2	1/4	1/4 & 5/16	1/4	4 5/8	5/32	\$.50	623D
624A	7/16 & 9/16	.....	1/4 & 3/8	1/4 & 5/16	4 3/4	5/32	.50	624A
624B	1/2 & 9/16	1/4	5/16 & 3/8	5/16	4 3/4	5/32	.50	624B
625	1/2 & 19/32	1/4 & 5/16	5/16	.....	4 3/4	5/32	.50	625
626S	9/16 & 5/8	.....	3/8 & 7/16	5/16 & 3/8	6	3/16	.64	626S
627	19/32 & 11/16	5/16 & 3/8	.....	.....	6	3/16	.64	627
629D	5/8 & 3/4	.....	7/16 & 1/2	3/8 & 7/16	6 3/4	3/16	.72	629D
629	11/16 & 25/32	3/8 & 7/16	.....	.....	6 3/4	3/16	.72	629
630B	3/4 & 13/16	.....	1/2	7/16 & 1/2	7 1/2	7/32	.80	630B
630E	3/4 & 7/8	1/2	1/2 & 9/16	7/16 & 9/16	7 1/2	7/32	.80	630E
631	25/32 & 7/8	7/16 & 1/2	9/16	.....	7 1/2	7/32	.80	631
631A	13/16 & 7/8	1/2	9/16	1/2 & 9/16	7 1/2	7/32	.80	631A
632C	7/8 & 15/16	1/2 & 9/16	9/16 & 5/8	9/16	8 3/4	1/4	1.12	632C
634A	7/8 & 1	1/2	9/16	9/16 & 5/8	8 7/8	1/4	1.12	634A
634B	15/16 & 1 1/16	9/16 & 5/8	5/8 & 3/4	.....	8 7/8	1/4	1.12	634B
635D	1 & 1 1/8	.....	.....	5/8 & 3/4	10 1/2	9/32	1.68	635D
637	1 1/16 & 1 1/4	5/8 & 3/4	3/4 & 7/8	.....	10 1/2	9/32	1.68	637
637A	1 1/8 & 1 5/16	.....	.....	3/4 & 7/8	10 1/2	9/32	1.68	637A
639	1 1/4 & 1 7/16	3/4 & 7/8	7/8 & 1	.....	12 1/2	3/8	2.60	639
640A	1 5/16 & 1 1/2	.....	.....	7/8 & 1	12 1/2	3/8	2.60	640A

Weights: see numerical index.

♦ REGISTERED TRADE MARK

WILLIAMS' + "SUPERIOR" HEX-BOX WRENCHES (Carbon Steel)

REGULAR PATTERN—15° Angle



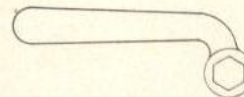
These Wrenches are milled, surface and edges smooth, size stamped on head, hardened and black enameled (baked on)—heads bright.

Designed for use requiring an exceedingly strong tool and where head clearance is limited. Two Patterns—Regular for general work, Heavy for severe service. Wrenches larger than No. 810 Regular and No. H809 Heavy have tapered handle.

These Wrenches can also be furnished, to order, with 12-point openings.

For Whitworth Standard sizes see page 160.

Handle can be bent above head at angles of 45° to 90° from opening, at an additional charge; see illustration at right.



(Continued on opposite page)

No.	Nominal Opening Across Flats	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Hd Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGLR. Nut	Extreme Length, Approx.	Head		LIST PRICE Each	No.
							Thick-ness	Outside Diam.		
800	13/32	3/16	3/16			3 1/2	7/32	45/64	\$.36	800
801A	7/16		1/4	1/4	1/4	4	17/64	27/32	.42	801A
801	1/2	1/4	5/16			4	17/64	27/32	.42	801
802A	9/16		3/8	3/8	5/16	4 7/8	5/16	63/64	.50	802A
802	19/32	5/16				4 7/8	5/16	63/64	.50	802
803A	5/8		7/16	7/16	3/8	5 7/8	23/64	1 9/64	.58	803A
803	11/16	3/8				5 7/8	23/64	1 9/64	.58	803
804A	3/4		1/2	1/2	7/16	6 7/8	13/32	1 9/32	.70	804A
804	25/32	7/16				6 7/8	13/32	1 9/32	.70	804
805A	13/16		9/16		1/2	7 3/4	29/64	1 27/64	.84	805A
805	7/8	1/2	5/8	9/16	9/16	7 3/4	29/64	1 27/64	.84	805
806	15/16	9/16		5/8		8 3/4	1/2	1 19/32	1.00	806
806B	1		3/4		5/8	8 3/4	1/2	1 19/32	1.00	806B
807	1 1/16	5/8		3/4		9 7/8	9/16	1 25/32	1.24	807
807A	1 1/8		7/8		3/4	9 7/8	9/16	1 25/32	1.24	807A
808	1 1/4	3/4		7/8		11 1/2	9/16	2 1/16	1.56	808
808A	1 5/16		1		7/8	11 1/2	9/16	2 1/16	1.56	808A
809	1 7/16	7/8		1		13 3/8	21/32	2 3/8	2.08	809
809A	1 1/2		1 1/8		1	13 3/8	21/32	2 3/8	2.08	809A
810	1 5/8	1		1 1/8		15 1/4	3/4	2 5/8	2.80	810
810A	1 11/16		1 1/4		1 1/8	15 1/4	3/4	2 5/8	2.80	810A
811	1 13/16	1 1/8		1 1/4		17 1/8	13/16	2 29/32	3.70	811
811A	1 7/8			1 1/4		17 1/8	13/16	2 29/32	3.70	811A
812	2	1 1/4		1 3/8		19	15/16	3 1/4	4.80	812
813	2 3/16	1 3/8		1 1/2		21	1	3 31/64	6.00	813
813A	2 1/4				1 1/2	21	1	3 31/64	6.00	813A
814	2 3/8	1 1/2				23	1 1/16	3 23/32	7.50	814
815	2 9/16	1 5/8				25	1 1/8	4 3/32	9.20	815
815A	2 5/8				1 3/4	25	1 1/8	4 3/32	9.20	815A
816	2 3/4	1 3/4				27	1 1/4	4 9/16	12.50	816
817A	3				2	30	1 3/8	4 53/64	17.00	817A
817	3 1/8	2				30	1 3/8	4 53/64	17.00	817

Weights: see numerical index

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♦ REGISTERED TRADE MARK

(Alloy Steel Wrenches, page 35)

WILLIAMS' ♦ "SUPERIOR" HEX-BOX WRENCHES
(Carbon Steel)

REGULAR PATTERN—15° Angle
(Continued)

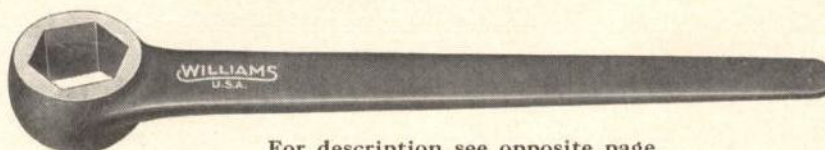
The following long Wrenches have hole of size given below in end of handle:

Number,	817	817A	818	818A	819	819A	819AC	819B	820	820B
Hole; diam.	5/8	5/8	3/4	3/4	7/8	7/8	7/8	7/8	1	1 inch

No.	Nominal Opening Across Flats	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. REGULAR Nut	Extreme Length, Approx.	Head		LIST PRICE Each	No.
					Thick-ness	Outside Diam.		
818A	3 3/8	.....	2 1/4	34	1 1/2	5 1/4	\$22.00	818A
818	3 1/2	2 1/4	.....	34	1 1/2	5 1/4	22.00	818
819B	3 3/4	.....	2 1/2	38	1 5/8	5 7/8	29.00	819B
819	3 7/8	2 1/2	.....	38	1 5/8	5 7/8	29.00	819
819AC	4 1/8	.....	2 3/4	42	1 3/4	6 1/2	37.00	819AC
819A	4 1/4	2 3/4	.....	42	1 3/4	6 1/2	37.00	819A
820B	4 1/2	.....	3	46	1 7/8	7	50.00	820B
820	4 5/8	3	.....	46	1 7/8	7	50.00	820

♦ "SUPERIOR" HEX-BOX WRENCHES
(Carbon Steel)

HEAVY PATTERN—15° Angle



For description see opposite page

No.	Nominal Opening Across Flats	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Hd. Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGLR. Nut	Extreme Length, Approx.	Head		LIST PRICE Each	No.
							Thick-ness	Outside Diam.		
H808	1 1/4	3/4	.....	7/8	.....	11 1/2	13/16	2 1/16	\$ 2.20	H808
H808A	1 5/16	.....	1	.....	7/8	11 1/2	13/16	2 1/16	2.20	H808A
H809	1 7/16	7/8	.....	1	.....	13 3/8	15/16	2 3/8	2.95	H809
H809A	1 1/2	.....	1 1/8	.....	1	13 3/8	15/16	2 3/8	2.95	H809A
H810	1 5/8	1	.....	1 1/8	.....	15 1/4	1 1/8	2 5/8	3.90	H810
H810A	1 11/16	.....	1 1/4	.....	1 1/8	15 1/4	1 1/8	2 5/8	3.90	H810A
H811	1 13/16	1 1/8	.....	1 1/4	.....	17	1 1/4	2 15/16	5.15	H811
H811A	1 7/8	.....	.....	.....	1 1/4	17	1 1/4	2 15/16	5.15	H811A
H812	2	1 1/4	.....	1 3/8	.....	19	1 3/8	3 1/4	6.65	H812
H813	2 3/16	1 3/8	.....	1 1/2	.....	21	1 1/2	3 1/2	8.40	H813
H813A	2 1/4	.....	.....	.....	1 1/2	21	1 1/2	3 1/2	8.40	H813A
H814	2 3/8	1 1/2	.....	.....	.....	23	1 5/8	3 3/4	10.50	H814
H815	2 9/16	1 5/8	.....	.....	.....	25	1 3/4	4 1/8	13.00	H815
H815A	2 5/8	.....	.....	.....	1 3/4	25	1 3/4	4 1/8	13.00	H815A
H816	2 3/4	1 3/4	.....	.....	.....	27	1 7/8	4 9/16	17.50	H816
H817A	3	.....	.....	.....	2	30	2	4 13/16	24.00	H817A
H817	3 1/8	2	.....	.....	.....	30	2	4 13/16	24.00	H817

Weights: see numerical index

♦ REGISTERED TRADE MARK

(Alloy Steel Wrenches, pages 35 and 36)

WILLIAMS' + "SUPERIOR" HEX-BOX WRENCHES
(Carbon Steel)

STRIKING FACE PATTERN — 15° Angle
HEAVY AND REGULAR



These Striking Face Box Wrenches are designed for heavy work in close quarters where large nuts must be set up tight, or frozen nuts loosened.

Wrenches are milled, surface and edges smooth, size stamped on head, hardened and black enameled (baked on)—heads bright.

HEAVY PATTERN

No.	Nominal Opening Across Flats	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Ex-treme Length Approx.	Head		List Price, Each
							Thick-ness	Outside Diam.	
SFH-808	1 1/4	3/4		7/8		7	13/16	2 1/16	\$ 9.75
SFH-808A	1 5/16		1		7/8	7	13/16	2 1/16	9.75
SFH-809	1 7/16	7/8		1		8	15/16	2 3/8	10.50
SFH-809A	1 1/2		1 1/8		1	8	15/16	2 3/8	10.50
SFH-810	1 5/8	1		1 1/8		9	1 1/8	2 5/8	11.45
SFH-810A	1 11/16		1 1/4		1 1/8	9	1 1/8	2 5/8	11.45
SFH-811	1 13/16	1 1/8		1 1/4		10	1 1/4	2 15/16	12.70
SFH-811A	1 7/8		1		1 1/4	10	1 1/4	2 15/16	12.70
SFH-812	2	1 1/4		1 3/8		11	1 3/8	3 1/4	14.20
SFH-813	2 3/16	1 3/8		1 1/2		12	1 1/2	3 1/2	15.95
SFH-813A	2 1/4				1 1/2	12	1 1/2	3 1/2	15.95
SFH-814	2 3/8	1 1/2				13	1 5/8	3 3/4	18.00
SFH-815	2 9/16	1 5/8				14	1 3/4	4 1/8	21.00
SFH-815A	2 5/8				1 3/4	14	1 3/4	4 1/8	21.00
SFH-816	2 3/4	1 3/4				15	1 7/8	4 9/16	25.50
SFH-817A	3				2	17	2	4 13/16	32.45
SFH-817	3 1/8	2				17	2	4 13/16	32.45

REGULAR PATTERN

SF-818A	3 3/8				2 1/4	18	1 1/2	5 1/4	32.00
SF-818	3 1/2	2 1/4				18	1 1/2	5 1/4	32.00
SF-819B	3 3/4				2 1/2	19	1 5/8	5 7/8	39.00
SF-819	3 7/8	2 1/2				19	1 5/8	5 7/8	39.00
SF-819AC	4 1/8				2 3/4	20	1 3/4	6 1/2	47.00
SF-819A	4 1/4	2 3/4				20	1 3/4	6 1/2	47.00
SF-820B	4 1/2				3	21	1 7/8	7	60.00
SF-820	4 5/8	3				21	1 7/8	7	60.00

Weights: see numerical index

+ REGISTERED TRADE MARK

(Alloy Steel Wrenches, pages 38 and 39)

3-49

WILLIAMS' ♦ "SUPERIOR" SQUARE BOX WRENCHES
(Carbon Steel)

22 1/2° Angle, Single Head

For Set Screws, Square Cap Screws and Nuts



These Wrenches are broached, surface and edges smooth, hardened and black enameled (baked on)—heads bright.

These Wrenches can also be furnished, to order, with 8-point openings.

No.	Nominal Opening	For Set Screw; Size	For Square Head Cap Screw	Amer. Std. REGLR. Square Nut	Extreme Length, Approx.	Head		LIST PRICE Each	No.
						Thickness	Outside Diam.		
580	3/16	3/16	.....	.....	3	1/4	1/2	\$.30	580
581	1/4	1/4	.....	.....	3 3/8	9/32	5/8	.34	581
582	5/16	5/16	.....	.....	3 3/4	5/16	11/16	.40	582
583	3/8	3/8	1/4	.....	4 1/4	3/8	27/32	.48	583
584	7/16	7/16	5/16	1/4	4 7/8	7/16	31/32	.56	584
585	1/2	1/2	3/8	.....	5 1/2	15/32	1 1/16	.68	585
586	9/16	9/16	7/16	5/16	6 1/4	1/2	1 3/16	.82	586
587	5/8	5/8	1/2	3/8	7	9/16	1 5/16	1.00	587
588	3/4	3/4	5/8	7/16	8	5/8	1 9/16	1.24	588
589	7/8	7/8	3/4	9/16	9	11/16	1 25/32	1.62	589
590	1	1	.....	5/8	10	3/4	2	2.10	590

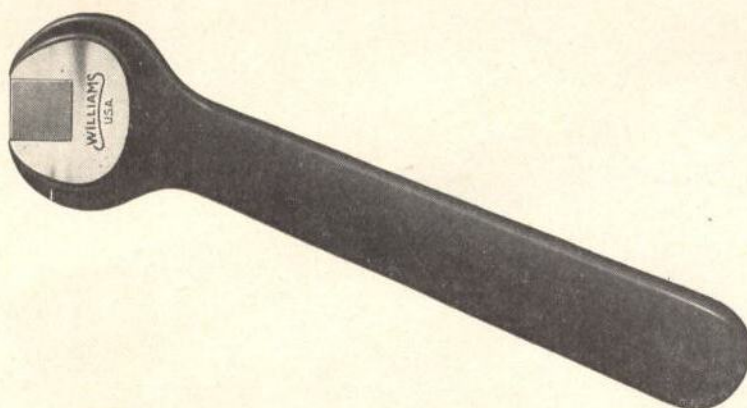
Weights: see numerical index

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERIOR" SET SCREW WRENCHES
(Carbon Steel)

22 1/2° Angle, Single Head

For Set Screws, Square Caps Screws and Nuts



These Wrenches are milled, surface and edges smooth, size stamped on head, hardened black enameled (baked on)—head bright.

No.	Nominal Opening	For Set Screw; Size	For Square Head Cap Screw	For Amer. Std. REGULAR Square Nut	Extreme Length, Approx.	Thickness Head	LIST PRICE Each	No.
500	3/16	3/16	.....	.....	3	3/16	\$.28	500
501	1/4	1/4	.....	.....	3 1/2	1/4	.34	501
502	5/16	5/16	.....	.....	4 1/4	5/16	.42	502
503	3/8	3/8	1/4	.....	5	11/32	.50	503
504	7/16	7/16	5/16	1/4	5 3/4	3/8	.62	504
505	1/2	1/2	3/8	.....	6 5/8	7/16	.76	505
506	9/16	9/16	7/16	5/16	7 1/2	1/2	.92	506
507	5/8	5/8	1/2	3/8	8 1/2	9/16	1.10	507
508	3/4	3/4	5/8	7/16	9 1/2	5/8	1.36	508
509	7/8	7/8	3/4	9/16	10 1/2	11/16	1.68	509
510	1	1	.....	5/8	11 1/2	3/4	2.20	510
511	1 1/8	1 1/8	7/8	3/4	12 1/2	13/16	2.80	511

Weights: see numerical index

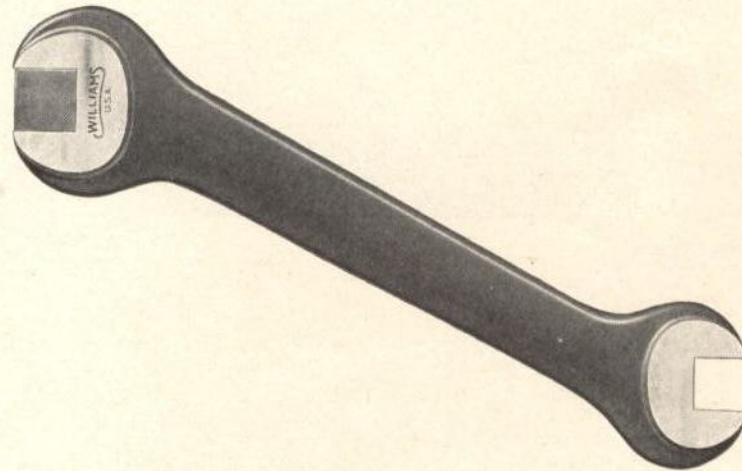
♦ REGISTERED TRADE MARK

3-49

WILLIAMS' + "SUPERIOR" SET SCREW WRENCHES
(Carbon Steel)

22 1/2° Angle, Double Head

For Set Screws, Square Cap Screws and Nuts



These Wrenches are milled, surface and edges smooth, sizes stamped on heads, hardened and black enameled (baked on)—heads bright.

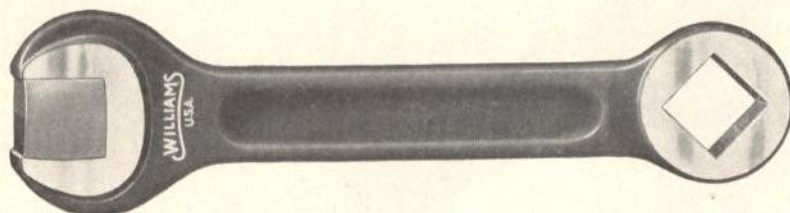
No.	Nominal Openings	For Set Screws; Size	For Square Head Cap Screws; Diam. Screws	For Amer. Std. REGULAR Square Nuts	Ex-treme Length, Approx.	Thick-ness Head	LIST PRICE Each	No.
525	1/4 & 5/16	1/4 & 5/16	.....	.....	4 1/4	9/32	\$.48	525
527	5/16 & 3/8	5/16 & 3/8	1/4	.....	5	11/32	.58	527
529	3/8 & 7/16	3/8 & 7/16	1/4 & 5/16	1/4	5 3/4	3/8	.70	529
531	7/16 & 1/2	7/16 & 1/2	5/16 & 3/8	1/4	6 5/8	7/16	.90	531
533	1/2 & 9/16	1/2 & 9/16	3/8 & 7/16	5/16	7 1/2	1/2	1.08	533
535	9/16 & 5/8	9/16 & 5/8	7/16 & 1/2	5/16 & 3/8	8 1/2	9/16	1.30	535
537	5/8 & 3/4	5/8 & 3/4	1/2 & 5/8	3/8 & 7/16	9 3/4	5/8	1.60	537
539	3/4 & 7/8	3/4 & 7/8	5/8 & 3/4	7/16 & 9/16	11	11/16	2.00	539
541	7/8 & 1	7/8 & 1	3/4	9/16 & 5/8	12 1/2	3/4	2.60	541
543	1 & 1 1/8	1 & 1 1/8	7/8	5/8 & 3/4	14	13/16	3.50	543

Weights: see numerical index

♦ REGISTERED TRADE MARK

♦“SUPERIOR” TOOL POST WRENCHES
(Carbon Steel)

For Set Screws



These Wrenches are milled and broached, surface and edges smooth, sizes stamped, hardened and black enameled (baked on)—heads bright.

No.	Open End for Set Screw; Size	Closed End for Set Screw; Size	Extreme Length, Approx.	Thickness Heads	LIST PRICE Each	No.
554	7/16	7/16	5 1/2	1/2	\$1.12	554
555	1/2	1/2	6	9/16	1.24	555
555B	9/16	1/2	6	9/16	1.24	555B
555C	9/16	9/16	6	9/16	1.24	555C
556	5/8	5/8	7	5/8	1.44	556
556B	11/16	5/8	7	5/8	1.44	556B
556C	11/16	11/16	7	5/8	1.44	556C
557	3/4	3/4	7 5/8	11/16	1.64	557

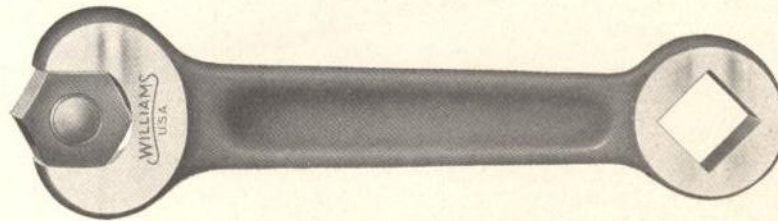
♦REGISTERED TRADE MARK

Weights: see numerical index.

2-49

♦ "SUPERIOR" TOOL POST WRENCHES
(Carbon Steel)

For Nuts and Set Screws



These Wrenches are milled and broached, surface and edges smooth, sizes stamped, hardened and black enameled (baked on)—heads bright.

Whitworth Standard sizes, see page 160.

No.	Open End Nominal Opening	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. REGULAR Nut Size Bolt	Closed End for Set Screw; Size	Extreme Length, Approx.	Thickness Heads	LIST PRICE Each	No.
562B	5/8	.....	3/8	9/16	6 1/2	1/2	\$1.32	562B
562	11/16	3/8	.....	9/16	6 1/2	1/2	1.32	562
563E	13/16	.....	1/2	7/16	7	9/16	1.44	563E
563F	13/16	.....	1/2	1/2	7	9/16	1.44	563F
563G	13/16	.....	1/2	9/16	7	9/16	1.44	563G
563H	13/16	.....	1/2	5/8	7	9/16	1.44	563H
563	7/8	1/2	9/16	7/16	7	9/16	1.44	563
563B	7/8	1/2	9/16	1/2	7	9/16	1.44	563B
563C	7/8	1/2	9/16	9/16	7	9/16	1.44	563C
563D	7/8	1/2	9/16	5/8	7	9/16	1.44	563D
564C	1	.....	5/8	5/8	7 1/2	5/8	1.64	564C
564	1 1/16	5/8	.....	5/8	7 1/2	5/8	1.64	564
565C	1	.....	5/8	3/4	8	5/8	1.94	565C
565	1 1/16	5/8	.....	3/4	8	5/8	1.94	565
566C	1 1/8	.....	3/4	3/4	9 1/4	3/4	2.40	566C
566D	1 1/8	.....	3/4	7/8	9 1/4	3/4	2.40	566D
566	1 1/4	3/4	.....	3/4	9 1/4	3/4	2.40	566
566B	1 1/4	3/4	.....	7/8	9 1/4	3/4	2.40	566B
567D	1 1/8	.....	3/4	1	10	7/8	3.20	567D
567	1 1/4	3/4	.....	1	10	7/8	3.20	567
567E	1 5/16	.....	7/8	7/8	10	7/8	3.20	567E
567F	1 5/16	.....	7/8	1	10	7/8	3.20	567F
567B	1 7/16	7/8	.....	7/8	10	7/8	3.20	567B
567C	1 7/16	7/8	.....	1	10	7/8	3.20	567C
568E	1 1/2	.....	1	7/8	11	15/16	4.40	568E
568F	1 1/2	.....	1	1	11	15/16	4.40	568F
568	1 5/8	1	.....	7/8	11	15/16	4.40	568
568B	1 5/8	1	.....	1	11	15/16	4.40	568B
568G	1 11/16	.....	1 1/8	1	11	15/16	4.40	568G
568H	1 7/8	.....	1 1/4	1	11	15/16	4.40	568H
568C	1 13/16	1 1/8	.....	1	11	15/16	4.40	568C
568D	2	1 1/4	.....	1	11	15/16	4.40	568D

♦ REGISTERED TRADE MARK

Weights: see numerical index.

WILLIAMS' + "SUPERIOR" CONSTRUCTION WRENCHES
(Carbon Steel)

15° Angle

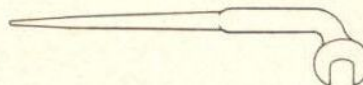


These Wrenches with deep opening provide substantial bearing on square nuts. The long handle is round for the greater part of its length, with tapered end for easy insertion into bolt holes when bringing them into line.

Milled, hardened all over and shot-blasted; heads not bright.

Whitworth Standard sizes, see page 160.

Handle can be bent above head at angles of 45° to 90° from opening, at an additional charge; see illustration at right.



No.	Nominal Opening	For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	For Amer. Std. REGULAR Nut Size Bolt	Extreme Length, Approx.	Thickness Head	LIST PRICE Each	No.
201A	7/16	.....	1/4	9 1/2	3/8	\$.75	201A
201	1/2	1/4	.....	9 1/2	3/8	.75	201
201B	9/16	.....	5/16	9 1/2	3/8	.75	201B
202	19/32	5/16	.....	9 1/2	3/8	.75	202
203A	5/8	.....	3/8	12	7/16	.95	203A
203	11/16	3/8	.....	12	7/16	.95	203
204A	3/4	.....	7/16	12	7/16	.95	204A
204	25/32	7/16	.....	12	7/16	.95	204
205A	13/16	.....	1/2	14 1/2	17/32	1.20	205A
205	7/8	1/2	9/16	14 1/2	17/32	1.20	205
206	15/16	9/16	.....	14 1/2	17/32	1.20	206
206B	1	.....	5/8	14 1/2	17/32	1.20	206B
207	1 1/16	5/8	.....	17	5/8	1.55	207
207A	1 1/8	.....	3/4	17	5/8	1.55	207A
208	1 1/4	3/4	.....	19	11/16	2.05	208
208A	1 5/16	.....	7/8	19	11/16	2.05	208A
209	1 7/16	7/8	.....	21	3/4	2.70	209
209A	1 1/2	.....	1	21	3/4	2.70	209A
210	1 5/8	1	.....	23	27/32	3.60	210
210A	1 11/16	.....	1 1/8	23	27/32	3.60	210A
211	1 13/16	1 1/8	.....	25	15/16	5.30	211
211A	1 7/8	.....	1 1/4	25	15/16	5.30	211A
212	2	1 1/4	.....	25	15/16	5.30	212

Weights: see numerical index.

3-49

♦ REGISTERED TRADE MARK

(Alloy Steel Wrenches, page 32)

WILLIAMS' + "SUPERIOR" STRUCTURAL WRENCHES
(Carbon Steel)

Straight Opening



The jaws of these Wrenches are narrow and long, providing substantially full bearing on square nuts. The long handle is round for the greater part of its length, with tapered end for easy insertion into bolt holes when bringing them into line.

The abrupt offset and angle of handle provide for clearance of obstructions, even when these are close to the head, and safety to the operator's hands. The wrench is particularly well balanced. When thrust into slit of scabbard or belt-loop the "step-up" of the round above the flat part of handle acts as a stop. It retains the wrench, yet allows its ready release.

For explanation of finish, see previous page. Whitworth Standard sizes, see page 160.

No.	Nominal Opening	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Amer. Std. REGLR. Nut; Size Bolt	Extreme Length, Approx.	Thick-ness Head	Handle Offset		LIST PRICE Each	No.
						At Head	At End		
901A	7/16	.....	1/4	9 1/2	11/32	13/16	1 1/2	\$.80	901A
901	1/2	1/4	.....	9 1/2	11/32	13/16	1 1/2	.80	901
901B	9/16	.....	5/16	9 1/2	11/32	13/16	1 1/2	.80	901B
902	19/32	5/16	.....	9 1/2	11/32	13/16	1 1/2	.80	902
903A	5/8	.....	3/8	12	7/16	7/8	1 11/16	1.05	903A
903	11/16	3/8	.....	12	7/16	7/8	1 11/16	1.05	903
904A	3/4	.....	7/16	12	7/16	7/8	1 11/16	1.05	904A
904	25/32	7/16	.....	12	7/16	7/8	1 11/16	1.05	904
905A	13/16	.....	1/2	14 1/2	17/32	1	1 7/8	1.40	905A
905	7/8	1/2	9/16	14 1/2	17/32	1	1 7/8	1.40	905
906	15/16	9/16	.....	14 1/2	17/32	1	1 7/8	1.40	906
906B	1	.....	5/8	14 1/2	17/32	1	1 7/8	1.40	906B
907	1 1/16	5/8	.....	17	5/8	1 1/8	2 3/8	1.85	907
907A	1 1/8	.....	3/4	17	5/8	1 1/8	2 3/8	1.85	907A
908	1 1/4	3/4	.....	19	11/16	1 1/4	2 3/4	2.35	908
908A	1 5/16	.....	7/8	19	11/16	1 1/4	2 3/4	2.35	908A
909	1 7/16	7/8	.....	21	3/4	1 3/8	3 1/16	3.00	909
909A	1 1/2	.....	1	21	3/4	1 3/8	3 1/16	3.00	909A
910	1 5/8	1	.....	23	13/16	1 1/2	3 3/8	4.10	910
910A	1 11/16	.....	1 1/8	23	13/16	1 1/2	3 3/8	4.10	910A
911	1 13/16	1 1/8	.....	25	7/8	1 5/8	3 11/16	6.15	911
911A	1 7/8	.....	1 1/4	25	7/8	1 5/8	3 11/16	6.15	911A
912	2	1 1/4	.....	25	7/8	1 5/8	3 11/16	6.15	912

♦REGISTERED TRADE MARK

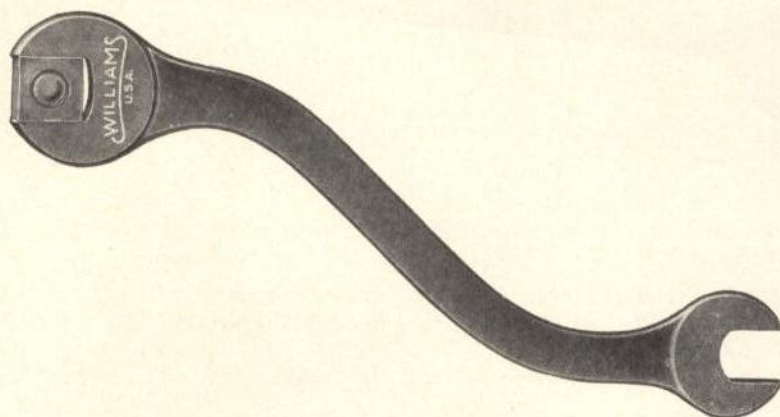
(Alloy Steel Wrenches, page 33)

Weights: see numerical index.

WILLIAMS' + "SUPERIOR" HEAVY "S" OR CAR WRENCHES
(Carbon Steel)

22 1/2° Angle, Double Head

Long Leverage



These Wrenches are milled, hardened all over, shot-blasted; heads not bright.

No.	Nominal Openings	Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts	Amer. Std. REGULAR Nuts; Size Bolts	Ex-treme Length, Approx.	LIST PRICE Each	No.
367A	5/8 & 13/16	.....	3/8 & 1/2	12	\$1.50	367A
367	11/16 & 7/8	3/8 & 1/2	9/16	12	1.50	367
370C	13/16 & 7/8	1/2	1/2 & 9/16	19	2.50	370C
370A	13/16 & 1	.....	1/2 & 5/8	19	2.50	370A
370	7/8 & 1 1/16	1/2 & 5/8	9/16	19	2.50	370
370B	1 & 1 1/8	.....	5/8 & 3/4	19	2.50	370B
*372A	1 1/16 & 1 1/4	5/8 & 3/4	.....	20	3.10	*372A
373	1 1/8 & 1 5/16	.....	3/4 & 7/8	20	3.10	373
376A	1 1/4 & 1 7/16	3/4 & 7/8	.....	21	3.70	376A
376	1 5/16 & 1 1/2	.....	7/8 & 1	21	3.70	376
†378A	1 7/16 & 1 5/8	7/8 & 1	.....	22	4.50	†378A
379	1 1/2 & 1 11/16	.....	1 & 1 1/8	22	4.50	379
382A	1 5/8 & 1 13/16	1 & 1 1/8	.....	23	5.30	382A
382	1 11/16 & 1 7/8	.....	1 1/8 & 1 1/4	23	5.30	382
383B	1 7/8 & 2 1/4	.....	1 1/4 & 1 1/2	24	6.30	383B
385	1 13/16 & 2	1 1/8 & 1 1/4	.....	24	6.30	385
389	2 & 2 3/8	1 1/4 & 1 1/2	.....	25	9.00	389
389B	2 3/16 & 2 3/8	1 3/8 & 1 1/2	.....	25	9.00	389B

*No. 372A supersedes Old No. 373 previously listed for 5/8 & 3/4" U. S. Nuts.

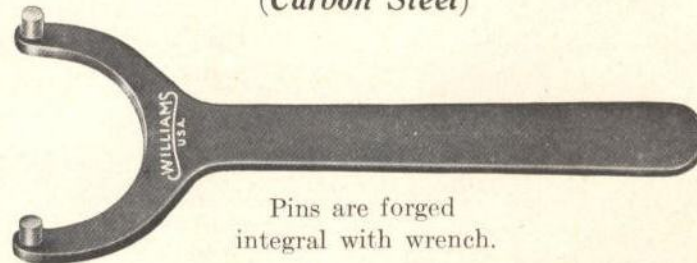
†No. 378A supersedes Old No. 379 previously listed for 7/8 & 1" U. S. Nuts.

Weights: see numerical index.

♦ REGISTERED TRADE MARK

3-49

WILLIAMS' ♦ "SUPERIOR" FACE SPANNERS
(Carbon Steel)

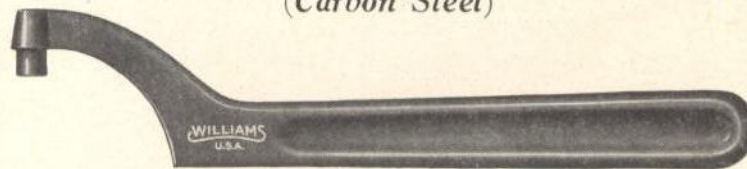


Pins are forged
integral with wrench.

These wrenches have surfaces smoothed, pins milled, hardened all over and black enameled.

No.	Pins			Span of Jaws in Clear	Length from C. of Pins	Thick- ness	LIST PRICE Each	No.
	Distance C to C	Diameter Milled	Length					
418	1	3/16	3/16	11/16	4 1/2	3/16	\$.60	418
420	1 1/4	7/32	7/32	7/8	5	3/16	.66	420
422	1 1/2	7/32	7/32	1 1/8	5 1/2	3/16	.74	422
424	1 3/4	7/32	7/32	1 3/8	6	7/32	.84	424
426	2	1/4	1/4	1 19/32	6 1/2	7/32	.96	426
428	2 1/4	1/4	1/4	1 27/32	7	7/32	1.10	428
430	2 1/2	9/32	9/32	2 1/32	7 1/2	1/4	1.28	430
432	2 3/4	9/32	9/32	2 9/32	8	1/4	1.48	432
434	3	5/16	5/16	2 1/2	8 1/2	1/4	1.70	434
436	3 1/4	5/16	5/16	2 3/4	9 1/8	1/4	1.94	436
438	3 1/2	5/16	5/16	3	9 3/4	1/4	2.20	438
440	3 3/4	3/8	3/8	3 3/16	10 3/8	1/4	2.50	440
442	4	3/8	3/8	3 7/16	11	1/4	2.90	442

♦ "SUPERIOR" PIN SPANNERS
(Carbon Steel)



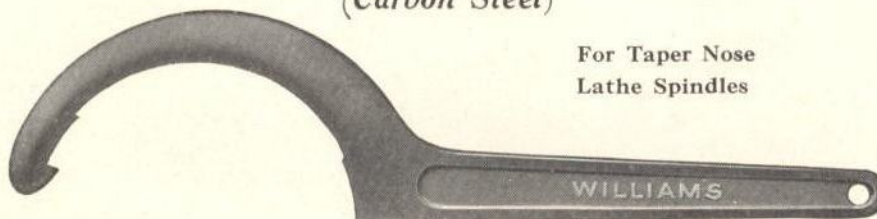
Pins are forged integral with wrench. For conditions of finish, see above.

Number	For Circle; Diameter	Extreme Length, Approx.	Finished Diameter Pin	LIST PRICE Each	Number
452	1	4	3/16	\$.54	452
453	1 1/4	4 1/2	13/64	.58	453
454	1 1/2	5	7/32	.60	454
455	1 3/4	5 1/2	15/64	.62	455
456	2	6	1/4	.66	456
457	2 1/4	6 1/2	17/64	.70	457
458	2 1/2	7	9/32	.72	458
459	2 3/4	7 1/2	19/64	.78	459
460	3	8	5/16	.84	460
461	3 1/4	8 1/2	21/64	.90	461
462	3 1/2	9	11/32	.96	462
463	3 3/4	9 1/2	23/64	1.02	463
464	4	10	3/8	1.08	464
466	5	12	7/16	1.44	466
468	6	14	1/2	1.96	468

Weights: see numerical index.

♦ REGISTERED TRADE MARK

WILLIAMS' "SUPERIOR" HOOK SPANNERS (Carbon Steel)



For Taper Nose
Lathe Spindles

Made especially to service Face Plate Draw Nuts used on taper-nose spindles for new design lathes. Very efficient, also, for general work.

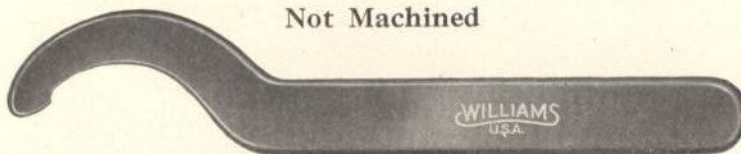
Supplied with bearing pads and hook machined; hardened, black enameled (baked).

No.	For Circle; Diameter	Extreme Length	Thickness, Hook End	LIST Each
414	* 7 3/8	20	5/8	\$5.50
415	* 9 1/4	23 1/4	11/16	8.00
416	*12 1/2	30 3/4	3/4	14.00

*Can be furnished to order for circle 1/8" larger.

FLAT HOOK SPANNERS (Carbon Steel)

Not Machined

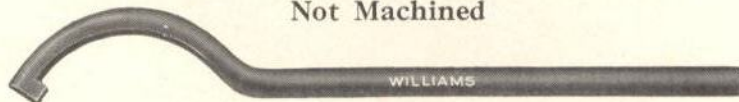


The diameter of circle which the unfinished forgings fit is given in second column of table, but wrenches will finish to sizes stated in third column.

No.	Forgings for Circle; Diameter	Forgings will finish for Circles; Diameter	Extreme Length, Approx.	Thickness	LIST PRICE Each	No.
403	1 1/4	1 to 1 1/4	4 3/4	7/32	\$.40	403
404	1 1/2	1 3/8 to 1 5/8	6	1/4	.46	404
405	2	1 3/4 to 2	7 1/8	1/4	.52	405
406	2 1/4	2 1/8 to 2 3/8	8 7/16	1/4	.60	406
407	2 5/8	2 1/2 to 2 3/4	9 3/4	1/4	.68	407
408	3 1/8	2 7/8 to 3 1/4	11	5/16	.80	408
409	3 3/4	3 3/8 to 3 7/8	12	5/16	.96	409
410	4 3/8	4 to 4 1/2	13	5/16	1.16	410
412	5 3/4	5 1/4 to 5 3/4	15	7/16	1.70	412

LIGHT HOOK SPANNERS (Carbon Steel)

Not Machined



No.	For Circle; Diameter	Extreme Length, Approx.	Hook			Diameter Handle	LIST PRICE Each	No.
			Length	Width	Thickness			
491	1 3/16	6 1/2	1/16	3/8	7/32	3/8	\$.30	491
493	1 3/4	7 1/2	1/8	3/8	7/32	3/8	.34	493
494	2 1/8	8	1/8	3/8	7/32	3/8	.36	494
495	2 1/2	8 1/4	1/8	3/8	7/32	3/8	.40	495
496	2 3/4	8 1/2	1/8	3/8	7/32	3/8	.44	496
497	3	8 3/4	1/8	3/8	7/32	3/8	.48	497
498	3 1/2	9	1/8	3/8	7/32	3/8	.52	498

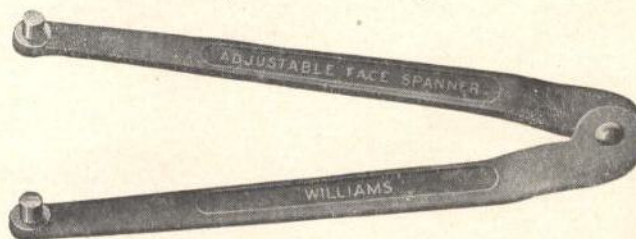
† Length of handle can be varied if desired.

★ REGISTERED TRADE MARK

Weights: see numerical index.

3-49

WILLIAMS' ♦"SUPERIOR" ADJUSTABLE FACE SPANNERS
(Carbon Steel)



Drop-forged from a strong, tough grade of carefully selected steel, this is a desirable and dependable tool for service where Center to Center dimensions vary.

These Wrenches have pins milled, surfaces smooth, hardened, black enameled (baked on).

No.	Extreme Capacity	Extreme Length, Approx.	Diameter of Pins	LIST PRICE Each	No.
482	2	6 3/8	3/16	\$1.50	482
483	3	8 1/4	1/4	2.20	483
484	4	10 3/8	5/16	3.20	484

♦"SUPERIOR" ADJUSTABLE HOOK SPANNERS
(Carbon Steel)



These Spanners offer an unusual combination of strength and ready adjustment; each tool provides for a wide range of sizes—see table. Drop-forged from a strong, tough grade of carefully selected steel, surfaces smoothed, black enameled (baked on); jaw hardened and tempered.

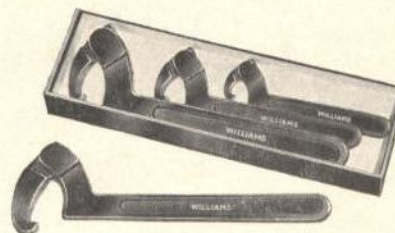
Sold individually, or in Set No. 401 which is especially serviceable on spindle bearings of lathes, milling machines and grinding machines. Also, for adjusting collars and slotted rings used on many types of automatic machines.

SET No. 401

LIST PRICE

In Cardboard Box, \$9.45

1 Each, Nos. 471, 472, 474 and 474A



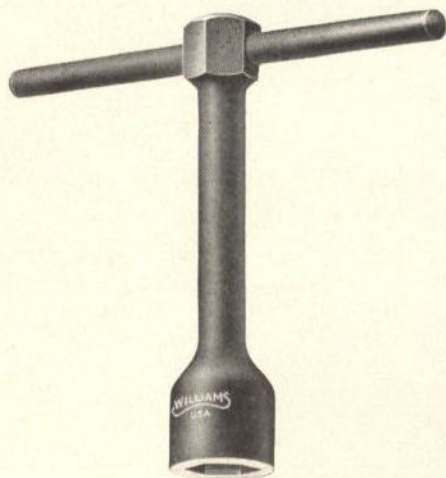
No.	Capacity for Circles, Diameter	Extreme Length, Approx.	Thickness		Depth Hook	LIST PRICE Each	No.
			Handle	Hook			
471	3/4 to 2	6 3/8	1/4	11/32	1/8	\$1.75	471
472	1 1/4 to 3	8 1/8	9/32	13/32	5/32	2.00	472
474	2 to 4 3/4	11 3/8	5/16	15/32	3/16	2.75	474
474A	4 1/2 to 6 1/4	12 1/8	5/16	15/32	1/4	2.95	474A

Alloy Steel Adjustable Hook Spanners, page 48.

Weights: see numerical index.

♦ REGISTERED TRADE MARK

WILLIAMS' "SUPERIOR" SOCKET WRENCHES
(Carbon Steel)



STRAIGHT PATTERN

These wrenches are broached, surface smooth, hardened and black enameled (baked on); face bright.

Whitworth Standard sizes, see page 160.

Special broaching to order in reasonable quantities.

(Continued on following page)

No.	HEXAGON OPENINGS					Diam. of Head	Extreme Length, Approx.	LIST PRICE Each	No.
	Nominal Opening Across Flats	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Amer. Std. Cap Screw; Diam. Screw	Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	Amer. Std. REGULAR Nut; Size Bolt				
961A	5/16	1/8				1/2	4 1/4	\$.80	961A
962D	3/8		3/16			5/8	4 1/2	.88	962D
963A	13/32	3/16				11/16	4 7/8	.98	963A
963D	7/16		1/4	1/4	1/4	11/16	4 7/8	.98	963D
964A	1/2	1/4	5/16	5/16		3/4	5 1/4	1.04	964A
965D	9/16		3/8	3/8	5/16	7/8	5 3/4	1.16	965D
965A	19/32	5/16				7/8	5 3/4	1.16	965A
966D	5/8		7/16	7/16	3/8	1	6 1/8	1.26	966D
967A	11/16	3/8				1 1/8	6 1/2	1.42	967A
967D	3/4		1/2	1/2	7/16	1 1/8	6 1/2	1.42	967D
968A	25/32	7/16				1 1/4	7	1.54	968A
968D	13/16		9/16		1/2	1 1/4	7	1.54	968D
969A	7/8	1/2	5/8	9/16	9/16	1 3/8	7 3/8	1.74	969A
970S	15/16	9/16		5/8		1 1/2	7 7/8	1.96	970S
970D	1		3/4		5/8	1 1/2	7 7/8	1.96	970D
971A	1 1/16	5/8		3/4		1 5/8	8 1/4	2.20	971A
971D	1 1/8		7/8		3/4	1 5/8	8 1/4	2.20	971D
973A	1 1/4	3/4		7/8		1 7/8	9 1/8	3.00	973A
973B	1 5/16		1		7/8	1 7/8	9 1/8	3.00	973B
975A	1 7/16	7/8		1		2 1/8	10	3.70	975A
975D	1 1/2		1 1/8		1	2 1/8	10	3.70	975D
976A	1 5/8	1		1 1/8		2 3/8	10 3/8	4.24	976A
976B	1 11/16		1 1/4		1 1/8	2 3/8	10 3/8	4.24	976B
977A	1 13/16	1 1/8		1 1/4		2 5/8	10 7/8	4.80	977A
978A	2	1 1/4		1 3/8		2 7/8	11 3/8	5.70	978A

WILLIAMS' "SUPERIOR" SOCKET WRENCHES
(Carbon Steel)

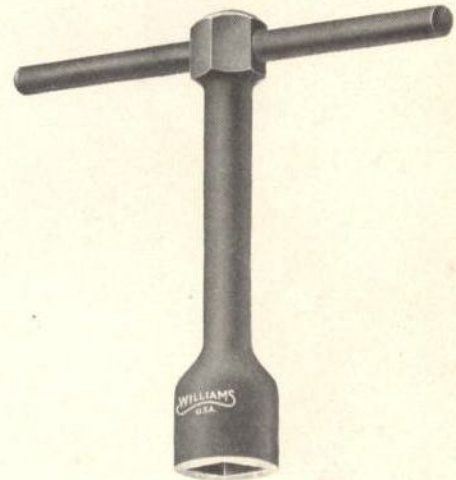
STRAIGHT PATTERN

(Continued from previous page)

Hexagon end of shank is designed for use in combination with another wrench or with Pin-Handle.

Wrenches of shorter or longer lengths than stated in table can be furnished to order in quantities.

Pin-Handles can be removed.



No.	SQUARE OPENINGS					Diam. of Head	Extreme Length, Approx.	LIST PRICE Each	No.
	Nominal Opening	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	For Cap Screw; Diam. Screw	For Set Screw; Size	Amer. Std. REGULAR Nut; Size Bolt				
961H	3/16	.....	.....	3/16	.....	1/2	4 1/4	\$.80	961H
961J	1/4	.....	.....	1/4	.....	1/2	4 1/4	.80	961J
962H	5/16	.....	.....	5/16	.....	5/8	4 1/2	.88	962H
963H	3/8	.....	1/4	3/8	.....	11/16	4 7/8	.98	963H
965H	7/16	.....	5/16	7/16	1/4	7/8	5 3/4	1.16	965H
966H	1/2	1/4	3/8	1/2	.....	1	6 1/8	1.26	966H
967H	9/16	.....	7/16	9/16	5/16	1 1/8	6 1/2	1.42	967H
968H	5/8	.....	1/2	5/8	3/8	1 1/4	7	1.54	968H
968P	11/16	3/8	9/16	.....	.....	1 1/4	7	1.54	968P
969H	3/4	.....	5/8	3/4	7/16	1 3/8	7 3/8	1.74	969H
971H	7/8	1/2	3/4	7/8	9/16	1 5/8	8 1/4	2.20	971H
973H	1	.....	.....	1	5/8	1 7/8	9 1/8	3.00	973H
974H	1 1/8	.....	7/8	1 1/8	3/4	2	9 1/2	3.40	974H
976H	1 1/4	3/4	1	1 1/4	.....	2 3/8	10 3/8	4.24	976H
977X	1 7/16	7/8	.....	.....	.....	2 5/8	10 7/8	4.80	977X
977P	1 1/2	.....	1 1/4	1 1/2	1	2 5/8	10 7/8	4.80	977P

♦ REGISTERED TRADE MARK

Weights: see numerical index

WILLIAMS' + "SUPERIOR" OFFSET SOCKET WRENCHES
(Carbon Steel)



These wrenches are broached, surface smooth, hardened and black enameled, face bright. Whitworth Standard sizes, see page 160.

(Continued on following page)

No.	HEXAGON OPENINGS					Diam. of Head	Extreme Length, Approx.	Handle Offset in Clear from Face of Wrench	LIST PRICE Each	No.
	Nominal Opening Across Flats	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Amer. Std. Cap Screw; Screw	Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	Amer. Std. REGULAR Nut; Size Bolt					
261A	5/16	1/8				1/2	3 3/8	13/16	\$.60	261A
262D	3/8		3/16			5/8	3 7/8	1	.66	262D
263A	13/32	3/16				11/16	4 5/16	1 1/16	.72	263A
263D	7/16		1/4	1/4	1/4	11/16	4 5/16	1 1/16	.72	263D
264A	1/2	1/4	5/16	5/16		3/4	5 1/8	1 1/4	.78	264A
265D	9/16		3/8	3/8	5/16	7/8	5 7/8	1 7/16	.88	265D
265A	19/32	5/16				7/8	5 7/8	1 7/16	.88	265A
266D	5/8		7/16	7/16	3/8	1	6 1/4	1 9/16	.96	266D
267A	11/16	3/8				1 1/8	6 3/4	1 5/8	1.08	267A
267D	3/4		1/2	1/2	7/16	1 1/8	6 3/4	1 5/8	1.08	267D
268A	25/32	7/16				1 1/4	7 1/2	1 13/16	1.20	268A
268D	13/16		9/16		1/2	1 1/4	7 1/2	1 13/16	1.20	268D
269A	7/8	1/2	5/8	9/16	9/16	1 3/8	8 3/8	2	1.38	269A
270S	15/16	9/16		5/8		1 1/2	9 1/8	2 3/16	1.56	270S
270D	1		3/4		5/8	1 1/2	9 1/8	2 3/16	1.56	270D
271A	1 1/16	5/8		3/4		1 5/8	10	2 3/8	1.80	271A
271D	1 1/8		7/8		3/4	1 5/8	10	2 3/8	1.80	271D
273A	1 1/4	3/4		7/8		1 7/8	11 5/8	2 3/4	2.40	273A
273B	1 5/16		1		7/8	1 7/8	11 5/8	2 3/4	2.40	273B
275A	1 7/16	7/8		1		2 1/8	13 1/4	3 1/8	3.00	275A
275D	1 1/2		1 1/8		1	2 1/8	13 1/4	3 1/8	3.00	275D
276A	1 5/8	1		1 1/8		2 3/8	14 7/8	3 1/2	3.44	276A
276B	1 11/16		1 1/4		1 1/8	2 3/8	14 7/8	3 1/2	3.44	276B
277A	1 13/16	1 1/8		1 1/4		2 5/8	16 1/2	3 7/8	3.90	277A
278A	2	1 1/4		1 3/8		2 7/8	18 1/4	4 3/8	4.80	278A

Weights: see numerical index

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+ REGISTERED TRADE MARK

WILLIAMS' + "SUPERIOR" OFFSET SOCKET WRENCHES
(Carbon Steel)



(Continued from previous page)

Special broaching to order in reasonable quantities.

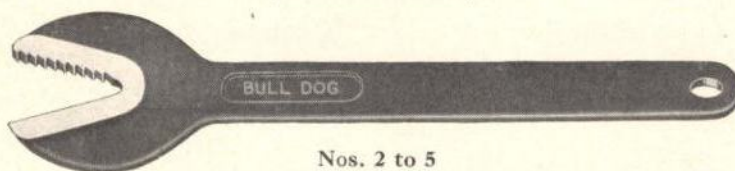
These Offset Socket Wrenches, of shorter or longer lengths than stated in table, can be furnished to order in quantities.

No.	SQUARE OPENINGS					Diam. of Head	Extreme Length, Approx.	Handle Offset in Clear from Face of Wrench	LIST PRICE Each	No.
	Nominal Opening	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	For Cap Screw; Diam. Screw	For Set Screw; Size	Amer. Std. REGULAR Nut; Size Bolt					
261J	1/4	.....	.....	1/4	.....	1/2	3 3/8	13/16	\$.60	261J
262H	5/16	.....	.....	5/16	.....	5/8	3 7/8	1	.66	262H
263H	3/8	.....	1/4	3/8	.....	11/16	4 5/16	1 1/16	.72	263H
265H	7/16	.....	5/16	7/16	1/4	7/8	5 7/8	1 7/16	.88	265H
266H	1/2	1/4	3/8	1/2	.....	1	6 1/4	1 9/16	.96	266H
267H	9/16	.....	7/16	9/16	5/16	1 1/8	6 3/4	1 5/8	1.08	267H
268H	5/8	.....	1/2	5/8	3/8	1 1/4	7 1/2	1 13/16	1.20	268H
268P	11/16	3/8	9/16	.....	.....	1 1/4	7 1/2	1 13/16	1.20	268P
269H	3/4	.....	5/8	3/4	7/16	1 3/8	8 3/8	2	1.38	269H
271H	7/8	1/2	3/4	7/8	9/16	1 5/8	10	2 3/8	1.80	271H
273H	1	.....	.....	1	5/8	1 7/8	11 5/8	2 3/4	2.40	273H
274H	1 1/8	.....	7/8	1 1/8	3/4	2	12 3/8	2 7/8	2.70	274H
276H	1 1/4	3/4	1	1 1/4	.....	2 3/8	14 7/8	3 1/2	3.44	276H

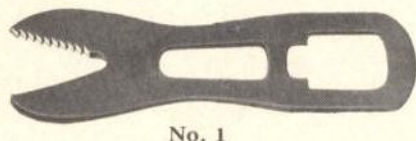
Weights: see numerical index

+ REGISTERED TRADE MARK

WILLIAMS' "BULL DOG" WRENCHES
(Carbon Steel)



Nos. 2 to 5



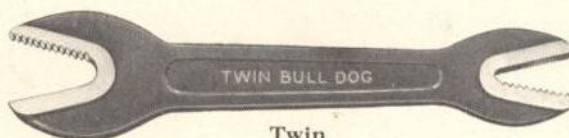
No. 1



No. 1 3/4



No. 1 1/2

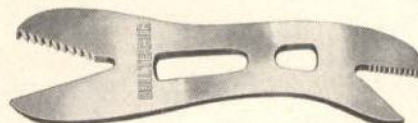


Twin

"ALWAYS READY" WRENCHES



"BULL TERRIER" WRENCHES



Designed for all-around service, these wrenches will grip round, square, hexagon or any shape that will fit between their tough jaws.

Drop-forged from a specially fine grade of steel and carefully tempered in oil, these wrenches are practically indestructible.

The handles of "Bull Dog" Nos. 2 and 2-1/2 are concave. "Bull Dog" No. 1 packed 12 in a paper box—all others 6 to a box. "Bull Terrier" Wrenches are polished all over and oiled.

"BULL DOG" WRENCHES

No.	Capacity		Extreme Length	LIST PRICE Each	No.
	Pipe	Rounds			
1	1/8 to 3/8	1/4 to 3/4	5 1/2	\$.45	1
1 1/2	1/8 to 1/2	3/8 to 7/8	5 1/2	.75	1 1/2
1 3/4	1/8 to 3/4	3/8 to 1	7	1.10	1 3/4
2	1/4 to 3/4	1/2 to 1	9	1.20	2
2 1/2	3/8 to 1	5/8 to 1 1/4	12 1/2	1.85	2 1/2
3	1/2 to 1 1/4	3/4 to 1 1/2	16	2.80	3
3 1/2	1/2 to 1 1/2	3/4 to 1 3/4	18 3/4	3.70	3 1/2
4	3/4 to 2	1 to 2 1/4	22	5.60	4
4 1/2	1 to 2 1/2	1 1/4 to 2 3/4	24	8.50	4 1/2
5	2 to 3	2 1/4 to 3 1/2	27	11.00	5
Twin	1/8 to 3/4	5/16 to 1	10	1.90	Twin

"ALWAYS READY" WRENCHES

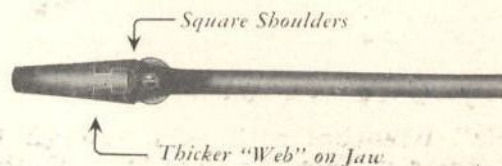
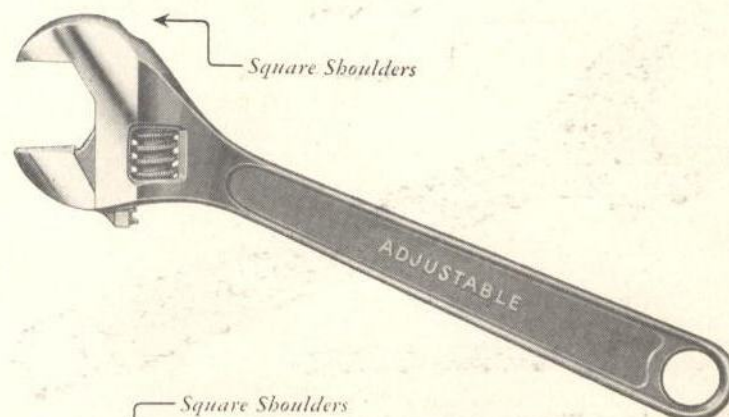
1	1/8 to 3/8	1/4 to 3/4	5	\$1.25	1
2	1/8 to 1	1/4 to 1 1/4	7	1.55	2
2 1/2	1/8 to 1 1/2	1/4 to 1 3/4	9 1/2	2.40	2 1/2
3	1/2 to 1 1/2	3/4 to 2	11 1/2	3.50	3

"BULL TERRIER" WRENCHES

—	1/8 to 3/8	1/4 to 3/4	5 1/2	\$.75	—
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WILLIAMS' ADJUSTABLE WRENCHES

(Carbon Steel)
PATENTED



Fully Guaranteed

Williams' Carbon Adjustable Wrenches with thin, tapered jaws, are thinner and lighter than conventional carbon steel adjustable wrenches of similar capacity and possess unusual strength and toughness due to improved design and materials. They are drop-forged from the finest selected steel and accurately heat-treated.

Square shoulders on the shank portion of the sliding jaw provide maximum and positive bearing against working stress. They eliminate entirely the wedging and spreading action, inevitable in wrenches having a cylindrical bearing at this point. The shoulders also permit a thicker "web" on the jaw, for added strength, without increasing the thickness of the wrench head. The net result is a sliding jaw that is unbreakable in wrench service.

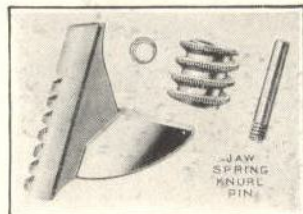
Drop-forged from specially strong, tough steel and accurately heat-treated in electric furnaces for uniform, dependable strength. Finish—shot-blasted, faces of heads polished bright. Packed, individually, in attractive cardboard box.

REPLACEMENT PARTS ASSORTMENT

Packed in compartment cardboard box containing 88 of the following parts:—

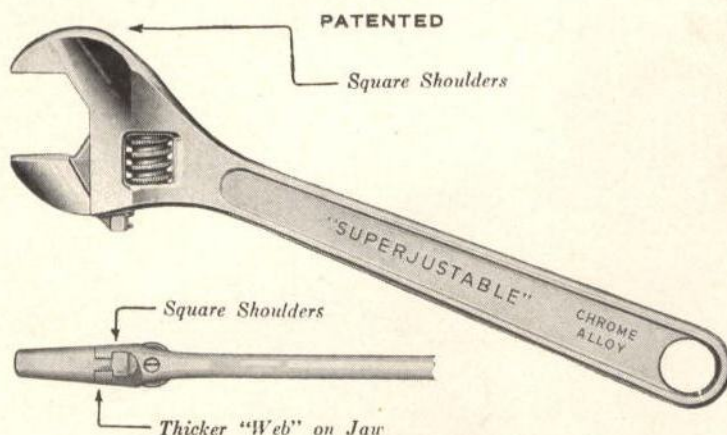
Size	Jaws	Knurls	Pins	Springs
4"	4	4	4	4
6"	6	6	6	6
8"	6	6	6	6
10"	4	4	4	4
12"	2	2	2	2

LIST PRICE, Complete—\$13.04



Size, Inch	LIST PRICE Each	Capacity	Thickness Head		Extra Parts—List Price, Each				Size, Inch
			Tip of Jaws	Extreme	Jaw	Knurl	Pin	Spring	
4	\$1.00	1/2	9/64	3/16	\$.30	\$.12	\$.04	\$.04	4
6	1.00	3/4	7/32	3/8	.30	.12	.04	.04	6
8	1.25	15/16	17/64	1/2	.33	.13	.04	.04	8
10	1.50	1- 1/8	23/64	19/32	.43	.15	.04	.04	10
12	2.30	1- 5/16	15/32	23/32	.68	.25	.11	.01	12
15	3.50	1- 3/4	19/32	31/32	.93	.37	.11	.04	15
18	5.10	2- 1/16	23/32	1- 3/16	1.27	.42	.11	.04	18

WILLIAMS' "SUPERJUSTABLE" WRENCHES Selected Alloy Steel



Fully Guaranteed

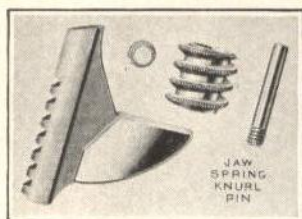
Williams' "Superjustable" Wrenches with thin, tapered jaws, are drop-forged from the finest grade of Selected Alloy Steel obtainable for the purpose. "Superjustables" are thinner and lighter, yet stronger and tougher than conventional carbon steel adjustable wrenches of similar capacity. They are second to no other alloy steel adjustable wrenches in appearance, strength and durability.

Square shoulders on the shank portion of the sliding jaw provide maximum and positive bearing against working stress. They eliminate entirely the wedging and spreading action, inevitable in wrenches having a cylindrical bearing at this point. The shoulders also permit a thicker "web" on the jaw, for added strength, without increasing the thickness of the wrench head. The net result is a sliding jaw with maximum resistance to breakage.

All parts are carefully machined to extremely close limits, assuring the accurate fit essential in wrenches of this class. Heat-treatment in recording electric furnaces of the latest type insures uniformity of product and tough, dependable strength.

Attractively finished in chrome-plate over nickel, with highly polished face; the handle is in "satin" finish. Individually packed.

REPLACEMENT PARTS ASSORTMENT



Packed in compartment cardboard box containing 88 of the following parts:—

Size	Jaws	Knurls	Pins	Springs
4"	4	4	4	4
6"	6	6	6	6
8"	6	6	6	6
10"	4	4	4	4
12"	2	2	2	2

LIST PRICE, Complete—\$14.80



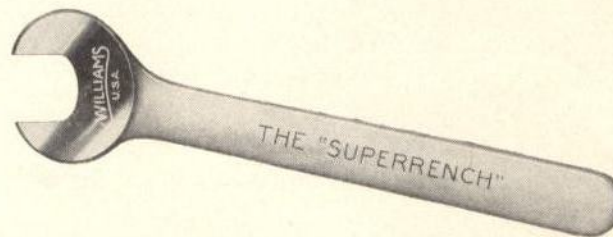
Size, Inch	LIST PRICE Each	Capacity	Thickness Head		Extra Parts—List Price, Each				Size, Inch
			Tip of Jaws	Extreme	Jaw	Knurl	Pin	Spring	
4	\$1.29	1/2	9/64	5/16	\$.33	\$.13	\$.04	\$.04	4
6	1.29	3/4	7/32	3/8	.33	.13	.04	.04	6
8	1.52	15/16	17/64	1/2	.42	.15	.04	.04	8
10	1.94	1- 1/8	23/64	19/32	.55	.17	.04	.04	10
12	2.87	1- 5/16	15/32	23/32	.80	.28	.11	.04	12
15	4.22	1- 3/4	19/32	31/32	1.22	.39	.11	.04	15
18	7.00	2- 1/16	23/32	1- 3/16	1.43	.42	.11	.04	18

♦ REGISTERED TRADE MARK

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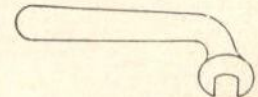
WILLIAMS' "SUPERRENCHES"
Selected Alloy Steel

ENGINEERS' PATTERN — 15° Angle, Single Head



These "Superrenches" are drop-forged from Selected Alloy Steel and heat-treated.
Finish—Chrome-plate over nickel, faces bright.

Handle can be offset above head at angles of 45° to 90° from opening, at an additional charge; see illustration at right.



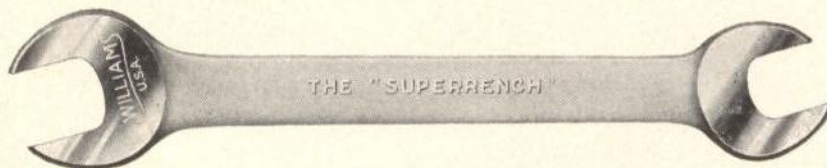
No.	Nominal Openings	For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	For Amer. Std. Hex Head Cap Screw; Diam. Screw	For Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	For Amer. Std. REGULAR Nut; Size Bolt	Ex- treme Length	Thick- ness Heads	LIST PRICE, Each
1000	5/16	1/8	1/8	.....	.....	3 1/2	7/32	\$.50
1700	3/8	.....	3/16	.....	.....	4	1/4	.50
1000A	13/32	3/16	.....	.....	.....	4	1/4	.50
1701	7/16	.....	1/4	1/4	1/4	4 5/8	9/32	.58
1001	1/2	1/4	5/16	5/16	.....	4 5/8	9/32	.58
1702	9/16	.....	3/8	3/8	5/16	5 1/2	5/16	.73
1002	19/32	5/16	.....	.....	.....	5 1/2	5/16	.73
1703	5/8	.....	7/16	7/16	3/8	6 3/8	11/32	.90
1003	11/16	3/8	.....	.....	.....	6 3/8	11/32	.90
1704	3/4	.....	1/2	1/2	7/16	7 1/4	3/8	1.10
1004	25/32	7/16	.....	.....	.....	7 1/4	3/8	1.10
1705	13/16	.....	9/16	.....	1/2	8 1/8	7/16	1.31
1005	7/8	1/2	5/8	9/16	9/16	8 1/8	7/16	1.31
1006	15/16	9/16	.....	5/8	.....	9 1/4	1/2	1.58
1706	1	.....	3/4	11/16	5/8	9 1/4	1/2	1.58
1007	1 1/16	5/8	.....	3/4	.....	10 1/2	9/16	1.96
1707	1 1/8	.....	7/8	.....	3/4	10 1/2	9/16	1.96
1008	1 1/4	3/4	.....	7/8	.....	12	21/32	2.63
1008A	1 5/16	.....	1	.....	7/8	12	21/32	2.63
1009	1 7/16	7/8	.....	1	.....	13 1/2	23/32	3.98
1709	1 1/2	.....	1 1/8	.....	1	13 1/2	23/32	3.98
1010	1 5/8	1	.....	1 1/8	.....	15	25/32	5.56
1010A	1 11/16	.....	1 1/4	.....	1 1/8	15	25/32	5.56
1011	1 13/16	1 1/8	.....	1 1/4	.....	16 1/2	7/8	7.25
1011A	1 7/8	.....	.....	.....	1 1/4	16 1/2	7/8	7.25
1012	2	1 1/4	.....	1 3/8	.....	18 1/4	15/16	9.86
1012A	2 1/16	.....	.....	.....	1 3/8	18 1/4	15/16	9.86
1013	2 3/16	1 3/8	.....	1 1/2	.....	20	1	12.75
1013A	2 1/4	.....	.....	.....	1 1/2	20	1	12.75
1014	2 3/8	1 1/2	.....	.....	.....	22	1 1/16	16.06
1014A	2 7/16	.....	.....	.....	1 5/8	22	1 1/16	16.06

Weights: see numerical index.

♦ REGISTERED TRADE MARK

WILLIAMS' "SUPERRENCHES" Selected Alloy Steel

ENGINEERS' PATTERN — 15° Angle, Double Head



Strength and Toughness Without Bulk

These "Superrenches" are particularly serviceable in cramped quarters where clearance is limited. The jaws are long, thin and pointed but the strength is the greatest ever put in a thin wrench. Selected Alloy steel makes "Superrenches" absolutely dependable—no matter how hard the work.

The 15° angle of the opening is the most efficient that can be devised. With it a hex nut can be rotated completely where the swing of the wrench is limited to only 30°.

Finish—Chrome plate over nickel, faces bright.

Whitworth and Metric sizes, see page 161.

No.	Nominal Openings	For Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts	For Amer. Std. Hex Head Cap Screws; Diam. Screws	For Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts	For Amer. Std. REGULAR Nuts; Size Bolts	Ex-treme Length	Thick-ness Heads	LIST PRICE Each	No.
1021S	1/4 & 5/16	1/8	1/8			4 1/2	3/16	.56	1021S
1720	5/16 & 11/32	1/8	1/8			4 1/2	3/16	.60	1720
1721	5/16 & 3/8	1/8	1/8 & 3/16			4 1/2	3/16	.60	1721
1723	3/8 & 7/16		3/16 & 1/4	1/4	1/4	4 7/8	13/64	.70	1723
1725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	5 5/8	15/64	.77	1725
1725A	7/16 & 9/16		1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	5 5/8	15/64	.84	1725A
1725B	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5/16	6 1/8	1/4	.84	1725B
1025	1/2 & 19/32	1/4 & 5/16	5/16	5/16		6 1/8	1/4	.92	1025
1727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	6 5/8	17/64	.99	1727
1027	19/32 & 11/16	5/16 & 3/8				7 1/4	9/32	1.30	1027
1027B	5/8 & 11/16	3/8	7/16	7/16	3/8	7 1/4	9/32	1.30	1027B
1028	19/32 & 25/32	5/16 & 7/16				7 7/8	19/64	1.30	1028
1729	5/8 & 3/4		7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	7 7/8	19/64	1.27	1729
1029B	11/16 & 3/4	3/8	1/2	1/2	7/16	8 1/2	5/16	1.30	1029B
1029	11/16 & 25/32	3/8 & 7/16				8 1/2	5/16	1.69	1029
1029C	11/16 & 13/16	3/8	9/16		1/2	8 1/2	5/16	1.69	1029C
1731	3/4 & 13/16		1/2 & 9/16	1/2	7/16 & 1/2	9 1/4	11/32	1.69	1731
1731A	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	9 1/4	11/32	1.69	1731A
1031B	25/32 & 13/16	7/16	9/16		1/2	9 1/4	11/32	1.69	1031B
1031	25/32 & 7/8	7/16 & 1/2	5/8	9/16	9/16	9 1/4	11/32	1.69	1031
1731B	13/16 & 7/8	1/2	9/16 & 5/8	9/16	1/2 & 9/16	9 1/4	11/32	1.69	1731B
1032B	13/16 & 15/16	9/16	9/16	5/8	1/2	10	3/8	1.69	1032B
1033A	7/8 & 15/16	1/2 & 9/16	5/8	9/16 & 5/8	9/16	10	3/8	1.69	1033A
1733	7/8 & 1	1/2	5/8 & 3/4	9/16	9/16 & 5/8	10 7/8	13/32	2.29	1733
1033C	15/16 & 1	9/16	3/4	5/8	5/8	10 7/8	13/32	2.29	1033C
1034	7/8 & 1 1/16	1/2 & 5/8	5/8	9/16 & 3/4	9/16	11 3/4	7/16	2.15	1034
1034A	15/16 & 1 1/16	9/16 & 5/8		5/8 & 3/4		11 3/4	7/16	2.29	1034A
1735	1 & 1 1/8		3/4 & 7/8		5/8 & 3/4	12 3/4	1/2	2.68	1735
1036B	1 1/16 & 1 1/8	5/8	7/8	3/4	3/4	12 3/4	1/2	2.68	1036B
1037	1 1/16 & 1 1/4	5/8 & 3/4		3/4 & 7/8		12 3/4	1/2	3.13	1037
1737	1 1/8 & 1 1/4	3/4	7/8	7/8	3/4	12 3/4	1/2	3.13	1737
1037A	1 1/8 & 1 5/16		7/8 & 1		3/4 & 7/8	12 3/4	1/2	3.13	1037A
1039B	1 1/4 & 1 5/16	3/4	1	7/8	7/8	14	9/16	4.19	1039B
1039	1 1/4 & 1 7/16	3/4 & 7/8		7/8 & 1		14	9/16	4.58	1039
1039A	1 5/16 & 1 1/2		1 & 1 1/8		7/8 & 1	14	9/16	4.58	1039A
1039C	1 3/8 & 1 7/16	7/8		1		14	9/16	4.58	1039C
1041	1 7/16 & 1 5/8	7/8 & 1		1 & 1 1/8		15 3/4	3/4	6.47	1041
1041B	1 1/2 & 1 5/8	1	1 1/8	1 1/8	1	15 3/4	3/4	6.83	1041B

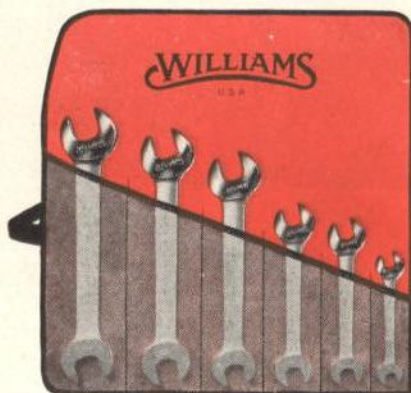
Weights: see numerical index.

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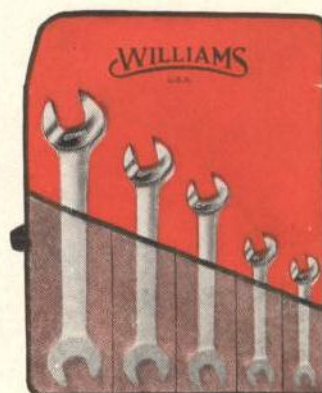
♦ REGISTERED TRADE MARK

DROP-FORGINGS AND **WILLIAMS** DROP-FORGED TOOLS

WILLIAMS' "SUPERRENCH" SETS Selected Alloy Steel

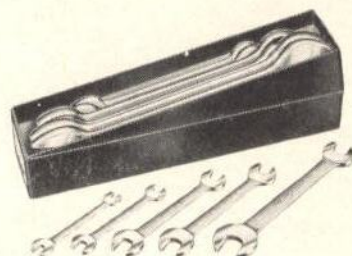


SET No. 1025A



SET No. 1005S

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Amer. Std. Hex Head Cap Screws; Diam. Screw	Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	Amer. Std. REGULAR Nut; Size Bolt	No.
SET No. 1025A — LIST PRICE Complete, In Leatherette Roll. \$9.53 In Cardboard Box 8.28 Roll Only 1.25						
1723	3/8 & 7/16	1/4 & 5/16	3/16 & 1/4	1/4	1/4	1723
1025	1/2 & 19/32	1/4 & 5/16	5/16	3/8 & 7/16	5/16 & 3/8	1025
1727	9/16 & 5/8	3/8 & 7/16	3/8 & 7/16	5/8	7/16 & 9/16	1727
1029	11/16 & 25/32	3/8 & 7/16	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	1029
1731A	3/4 & 7/8	9/16	1/2 & 5/8	5/8	5/8	1731A
1033C	15/16 & 1	9/16	3/4	5/8	5/8	1033C
SET No. 1005S — LIST PRICE Complete, In Leatherette Roll. \$10.32 In Cardboard Box 8.87 Roll Only 1.45						
1725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	1725
1727	9/16 & 5/8	1/4	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	1727
1731A	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	1731A
1033C	15/16 & 1	9/16	3/4	5/8	5/8	1033C
1037	1 1/16 & 1 1/4	5/8 & 3/4	3/4	3/4 & 7/8		1037



SET No. 1712A

LIST PRICE

Complete, In Cardboard Box

\$23.21

11 Wrenches, 22 Different Openings

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Amer. Std. Hex Head Cap Screws; Diam. Screw	Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	Amer. Std. REGULAR Nut; Size Bolt	No.
1021S	1/4 & 5/16	1/8	1/8	1/4	1/4	1021S
1723	3/8 & 7/16	1/4 & 5/16	3/16 & 1/4	5/16	5/16 & 3/8	1723
1025	1/2 & 19/32	1/4 & 5/16	5/16	3/8 & 7/16	5/8	1025
1727	9/16 & 5/8	3/8 & 7/16	3/8 & 7/16	1/2	7/16 & 1/2	1727
1029	11/16 & 25/32	3/8 & 7/16	1/2 & 9/16	9/16 & 5/8	9/16	1029
1731	3/4 & 13/16	1/2 & 9/16	5/8	5/8	5/8 & 3/4	1731
1033A	7/8 & 15/16	1/2 & 9/16	3/4 & 7/8	3/4 & 7/8		1033A
1735	1 & 1 1/8	5/8 & 3/4	1 & 1 1/8	7/8 & 1		1735
1037	1 1/16 & 1 1/4	5/8 & 3/4	1 & 1 1/8	7/8 & 1		1037
1039A	1 5/16 & 1 1/2	1 & 1 1/8	7/8	1		1039A
1039C	1 3/8 & 1 7/16	7/8				1039C

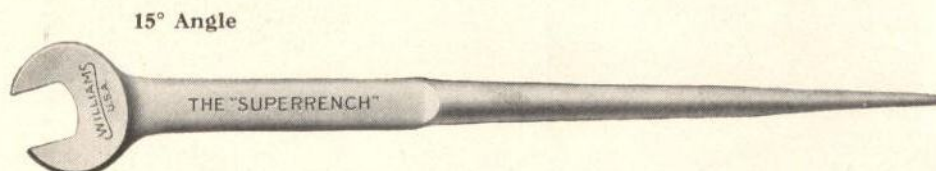
Weights: see numerical index

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERRENCHES"

Selected Alloy Steel

CONSTRUCTION PATTERN



These wrenches have been made especially to meet the needs of structural workers. The slim design provides ample strength and leverage without unnecessary weight and bulk.

The long, narrow jaws give substantially full bearing on square nuts. The round handle has tapered end for easy insertion into bolt holes when bringing same into line.

Especially adapted to heavy automotive work, where unusual leverage is required.

Tapered tang on end of handle is useful in locating and lining-up holes in frame, axle pads, fender bolt holes, etc.

Particularly serviceable on Anchor Nuts, Bendix Brakes—Axle-shaft Nuts—Bumper Bolts and Nuts, Bus and Truck — Frame Members — King-bolts and Nuts — Spring-clip ("U" Bolt) Nuts—Spring-shackle Bolts and Nuts — Tire and Luggage-carrier Bolts and Nuts, Bus and Truck — etc.

Drop-Forged from Selected Alloy Steel, heat-treated and finished in baked gray enamel all over.

No.	Nominal Opening	For U. S. Std. Nut; Size Bolt	For S.A.E. Std. Nut and Cap Screw	For Amer. Std. Reg. Nut; Size Bolt	Extreme Length, Approx.	LIST PRICE, Each
1205	7/8	1/2	9/16	9/16	14 1/2	\$1.95
1206B	1			5/8	14 1/2	1.95
1207	1 1/16	5/8	3/4		17	2.73
1207A	1 1/8			3/4	17	2.73
1208	1 1/4	3/4	7/8		19	3.68
1208A	1 5/16			7/8	19	3.68
1209	1 7/16	7/8	1		21	5.03
1209A	1 1/2			1	21	5.03
1210	1 5/8	1	1 1/8		23	7.13
1211	1 13/16	1 1/8	1 1/4		25	10.50
1212	2	1 1/4	1 3/8		25	10.50

Weights: see numerical index.

♦ REGISTERED TRADE MARK

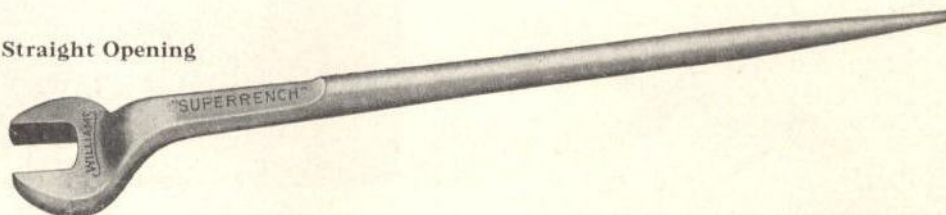
3-49

WILLIAMS' "SUPERRENCHES"

Selected Alloy Steel

STRUCTURAL PATTERN

Straight Opening



These wrenches have been made especially to meet the needs of structural workers. The slim design provides ample strength and leverage without unnecessary weight and bulk.

The long, narrow jaws give substantially full bearing on square nuts. The round handle has tapered end for easy insertion into bolt holes when bringing same into line.

The abrupt offset and angle of handle provide for clearance of obstructions and safety to the operator's hands. The wrench is particularly well balanced. When thrust into scabbard or belt-loop, the "step-up" of the round above the flat part of handle acts as a stop, yet is readily released.

Especially adapted to heavy automotive work, where unusual leverage is required.

Tapered tang on end of handle is useful in locating and lining-up holes in frame, axle pads, fender bolt holes, etc.

Particularly serviceable on Anchor Nuts, Bendix Brakes — Axle-shaft Nuts — Bumper Bolts and Nuts, Bus and Truck — Frame Members — King-bolts and Nuts — Spring-clip ("U" Bolt) Nuts — Spring-shackle Bolts and Nuts — Tire and Luggage-carrier Bolts and Nuts, Bus and Truck — etc.

Drop-Forged from Selected Alloy Steel, heat-treated and finished in baked gray enamel all over.

No.	Nominal Opening	For U. S. Std. Nut; Size Bolt	Amer. Std. Reg. Nut; Size Bolt	Extreme Length, Approx.	Thick-ness Head	Handle Offset		LIST PRICE, Each
						At Head	At End	
1905	7/8	1/2	9/16	14 1/2	17/32	1	1 7/8	\$2.37
1906B	1	.....	5/8	14 1/2	17/32	1	1 7/8	2.37
1907	1 1/16	5/8	.....	17	5/8	1 1/8	2 3/8	3.30
1907A	1 1/8	.....	3/4	17	5/8	1 1/8	2 3/8	3.30
1908	1 1/4	3/4	.....	19	11/16	1 1/4	2 3/4	4.47
1908A	1 5/16	.....	7/8	19	11/16	1 1/4	2 3/4	4.47
1909	1 7/16	7/8	.....	21	3/4	1 3/8	3 1/16	6.15
1909A	1 1/2	.....	1	21	3/4	1 3/8	3 1/16	6.15
1910	1 5/8	1	.....	23	13/16	1 1/2	3 3/8	8.50*
1910A	1 11/16	.....	1 1/8	23	13/16	1 1/2	3 3/8	8.50
1911	1 13/16	1 1/8	.....	25	7/8	1 5/8	3 11/16	12.87
1911A	1 7/8	.....	1 1/4	25	7/8	1 5/8	3 11/16	12.87
1912	2	1 1/4	.....	25	7/8	1 5/8	3 11/16	12.87

Weights: see numerical index.

* REGISTERED TRADE MARK

WILLIAMS' MIDGET + "SUPERRENCHES" Selected Alloy Steel

OPEN END PATTERN



15° Angle Openings



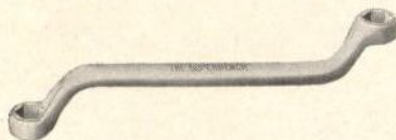
15° and 75° Angle Openings

Midget "Superrenches" are unusually thin and slim, but surprisingly tough and strong. On magnetos, generators, wiring-connections, carburetors, radios, all delicate adjustments and in the closest quarters, these wrenches are invaluable. Available in the two styles illustrated—forged from Selected Alloy Steel, heat-treated, chrome-plate over nickel, faces bright.

No.	Nominal Openings	Extreme Length	Thickness Heads	LIST PRICE	No.
15° ANGLE OPENING					
1106	13/64 & 7/32	3	3/32	\$.74	1106
1107	15/64 & 1/4	3	3/32	.77	1107
1108	9/32 & 11/32	3-1/2	1/8	.81	1108
1108A	1/4 & 5/16	3-1/2	1/8	.81	1108A
1109	5/16 & 3/8	3-1/2	1/8	.84	1109

15-75° ANGLE OPENING					
1112	3/16 & 3/16	3	3/32	\$.74	1112
1113	13/64 & 13/64			.74	1113
1114	7/32 & 7/32			.74	1114
1115	15/64 & 15/64			.74	1115
1116	1/4 & 1/4	3-3/4	1/8	.77	1116
1118	9/32 & 9/32			.81	1118
1120	5/16 & 5/16			.81	1120
1122	11/32 & 11/32			.84	1122
1124	3/8 & 3/8	4-1/2	5/32	.84	1124
1128	7/16 & 7/16			.92	1128
1132	1/2 & 1/2			.92	1132

6-POINT BOX MIDGET PATTERN



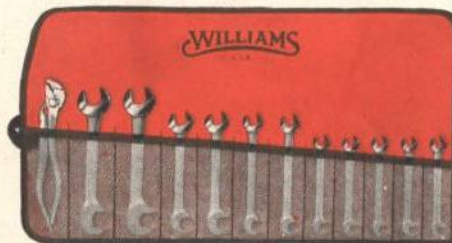
Midget Double Offset Box "Superrenches" are ideal for carburetor, electrical and ignition work. Offset design clears small obstructions where working space is limited. Selected Alloy Steel, heat-treated, chrome-plate over nickel, heads bright.

Fully Guaranteed

No.	Nominal Openings	Extreme Length	LIST PRICE	No.
1150	13/64 & 3/16	2 7/8	\$.75	1150
1151	15/64 & 7/32	3 1/8	.81	1151
1152	9/32 & 1/4	3 3/8	.86	1152
1153	11/32 & 5/16	3 3/4	.92	1153

Weights: see numerical index.

♦ REGISTERED TRADE MARK



SET No. 1141P

LIST PRICES

In Leatherette Roll, \$11.17
In Cardboard Box, 10.27
Roll Only, .90

Contains 11 Midget "Superrenches" Nos. 1112, 1113, 1114, 1115, 1116, 1118, 1120, 1122, 1124, 1128, 1132 and 1519 Midget "Superplier".



SET No. 1149P

LIST PRICES

With 1519 "Superplier"

In Leatherette Roll, \$5.87
In Cardboard Box, 5.37
Roll Only, .50

SET No. 1149

Without 1519 "Superplier"

In Leatherette Roll, \$4.37
In Cardboard Box, 3.97
Roll Only, .40

Handy assortment of 5 Midget "Superrenches" Nos. 1106, 1107, 1108, 1108A, 1109 and 1519 "Superplier".



SET No. 1154S

LIST PRICES

In Leatherette Roll, \$3.84
In Cardboard Box, 3.34
Roll Only, .50

Contains 4 Midget Box "Superrenches" Nos. 1150, 1151, 1152 and 1153.

WILLIAMS' "SUPERRENCHES"

Selected Alloy Steel

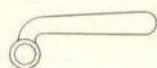
REGULAR 12-POINT BOX PATTERN FOR CLOSE QUARTERS

12-Point Opening—7½° Angle



These "Superrenches" with thin head walls, are particularly efficient in close quarters and for general service. They grip nuts on six sides and prevent slipping. Will rotate hex nuts where the wrench can be swung only 15°—HALF the space required by conventional wrenches. Drop-forged from Selected Alloy Steel—heat-treated.

Finish—Chrome-plate over nickel, heads bright.



Handle can be bent above head at angles of 45° to 90° from opening, at an additional charge; see illustration.

No.	Nominal Opening Across Flats	For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	For Amer. Std. Hex Head Cap Screw; Diam. Screw	For Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	For Amer. Std. REGULAR Nut; Size Bolt	Ex-treme Length Approx.	Head		List Price, Each
							Thick-ness	Outside Diam.	
1800A	7/16		1/4	1/4	1/4	3 1/2	7/32	45/64	\$.63
1801	1/2	1/4	5/16	5/16		4	17/64	27/32	.77
1802A	9/16		3/8	3/8	5/16	4 7/8	5/16	31/32	.90
1802	19/32	5/16				4 7/8	5/16	63/64	.90
1803A	5/8		7/16	7/16	3/8	5 7/8	23/64	1 1/16	1.05
1803	11/16	3/8				5 7/8	23/64	1 9/64	1.05
1804A	3/4		1/2	1/2	7/16	6 7/8	13/32	1 1/4	1.20
1804	25/32	7/16				6 7/8	13/32	1 9/32	1.20
1805A	13/16		9/16		1/2	7 3/4	29/64	1 23/64	1.47
1805	7/8	1/2	5/8	9/16	9/16	7 3/4	29/64	1 27/64	1.47
1806	15/16	9/16		5/8		8 3/4	1/2	1 19/32	1.78
1806B	1		3/4		5/8	8 3/4	1/2	1 19/32	1.78
1807	1 1/16	5/8		3/4		9 7/8	9/16	1 25/32	2.15
1807A	1 1/8		7/8		3/4	9 7/8	9/16	1 25/32	2.15
1808	1 1/4	3/4		7/8		11 1/2	9/16	2 1/16	2.73
1808A	1 5/16		1		7/8	11 1/2	9/16	2 1/16	2.73
1809	1 7/16	7/8		1		13 3/8	21/32	2 3/8	3.68
1809A	1 1/2		1 1/8		1	13 3/8	21/32	2 3/8	3.68
1810	1 5/8	1		1 1/8		15 1/4	3/4	2 5/8	4.93
1810A	1 11/16		1 1/4		1 1/8	15 1/4	3/4	2 5/8	4.93
1811	1 13/16	1 1/8		1 1/4		17	13/16	2 29/32	6.52
1811A	1 7/8				1 1/4	17	13/16	2 29/32	6.52
1812	2	1 1/4		1 3/8		19	15/16	3 1/4	8.45

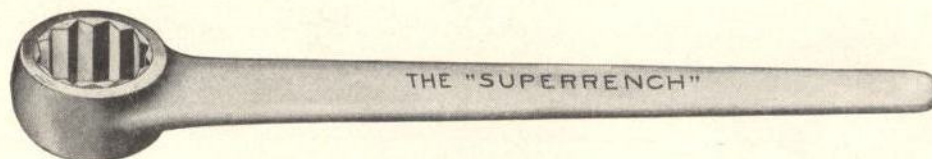
Weights: see numerical index

♦ REGISTERED TRADE MARK

WILLIAMS' "SUPERRENCHES"
Selected Alloy Steel

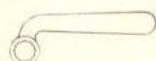
HEAVY 12-POINT BOX PATTERN FOR CLOSE QUARTERS

12-Point Opening— $7\frac{1}{2}^\circ$ Angle



These "Superrenches" with thin head walls, are particularly efficient in close quarters and for general service. They grip nuts on six sides and prevent slipping. Will rotate hex nuts where the wrench can be swung only 15° —HALF the space required by conventional wrenches. Drop-forged from Selected Alloy Steel—heat-treated.

Finish — Chrome-plate over nickel, heads bright.



Handle can be bent above head at angles of 45° to 90° from opening, at an additional charge; see illustration.

No.	Nominal Opening Across Flats	For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	For Amer. Std. Hex Head Cap Screw; Diam. Screw	For Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	For Amer. Std. REGULAR Nut; Size Bolt	Ex- treme Length Approx.	Head		List Price, Each
							Thick- ness	Outside Diam.	
H1808	1 1/4	3/4		7/8		11 1/2	13/16	2 1/16	\$3.62
H1808A	1 5/16		1		7/8	11 1/2	13/16	2 1/16	3.62
H1809	1 7/16	7/8		1		13 3/8	15/16	2 3/8	4.88
H1809A	1 1/2		1 1/8		1	13 3/8	15/16	2 3/8	4.88
H1810	1 5/8	1		1 1/8		15 1/4	1 1/8	2 5/8	6.57
H1810A	1 11/16		1 1/4		1 1/8	15 1/4	1 1/8	2 5/8	6.57
H1811	1 13/16	1 1/8		1 1/4		17	1 1/4	2 15/16	8.67
H1811A	1 7/8				1 1/4	17	1 1/4	2 15/16	8.67
H1812	2	1 1/4		1 3/8		19	1 3/8	3 1/4	11.23
H1813	2 3/16	1 3/8		1 1/2		21	1 1/2	3 1/2	14.23
H1813A	2 1/4				1 1/2	21	1 1/2	3 1/2	14.23
H1814	2 3/8	1 1/2				23	1 5/8	3 3/4	17.75
H1815	2 9/16	1 5/8				25	1 3/4	4 1/8	29.45
H1815A	2 5/8				1 3/4	25	1 3/4	4 1/8	29.45
H1816	2 3/4	1 3/4				27	1 7/8	4 9/16	42.22
H1817A	3				2	30	2	4 13/16	57.75
H1817	3 1/8	2				30	2	4 13/16	57.75

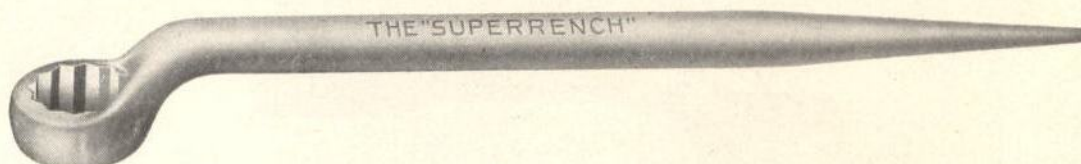
Weights: see numerical index.

♦ REGISTERED TRADE MARK

3-49

WILLIAMS' "SUPERRENCHES"
Selected Alloy Steel

STRUCTURAL BOX PATTERN
With 12-Point Openings



This Williams' Structural Box "Superrench" is designed to bring greater safety to structural work. The 12-point Box Head insures a firm hold on the nut and it is offset to give maximum clearance. The long sturdy tapered handle provides ample strength and leverage, and can easily be inserted into bolt holes to bring them into line.

These rugged wrenches are also adapted to heavy industrial and automotive work where unusual leverage is necessary.

Drop-forged from Selected Alloy Steel, heat-treated, and finished in baked gray enamel all over.

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Extreme Length, Approx.	Head		Handle Offset		List Price, Each
				Thickness	Outside Diameter	At Head	At End	
8905A	13/16	.....	12	5/8	1 15/32	1 1/8	1 25/32	\$2.70
8905	7/8	1/2	12	5/8	1 15/32	1 1/8	1 25/32	2.70
8906	15/16	9/16	12	3/4	1 5/8	1 1/4	1 61/64	2.98
8906B	1	.....	12	3/4	1 5/8	1 1/4	1 61/64	2.98
8907	1 1/16	5/8	15	13/16	1 53/64	1 5/16	2 9/64	3.06
8907A	1 1/8	.....	15	13/16	1 53/64	1 5/16	2 9/64	3.15
8908	1 1/4	3/4	17	7/8	2 5/64	1 7/16	2 21/64	3.31
8908A	1 5/16	.....	17	7/8	2 5/64	1 7/16	2 21/64	3.31
8909	1 7/16	7/8	21	1	2 3/8	1 1/2	2 3/4	4.39
8909A	1 1/2	.....	21	1	2 3/8	1 1/2	2 3/4	4.72
8910	1 5/8	1	22	1 1/16	2 5/8	1 5/8	2 7/8	5.13
8910A	1 11/16	.....	22	1 1/16	2 5/8	1 5/8	2 7/8	5.30
8911	1 13/16	1 1/8	23	1 1/8	2 29/32	1 11/16	3	5.46
8911A	1 7/8	.....	23	1 1/8	2 29/32	1 11/16	3	5.63
8912	2	1 1/4	24 1/2	1 1/4	3 5/32	1 13/16	3 5/32	5.80
8913	2 3/16	1 3/8	26	1 3/8	3 15/32	2	3 1/2	7.61
8914	2 3/8	1 1/2	28	1 1/2	3 23/32	2 1/8	3 11/16	8.61
8915	2 9/16	1 5/8	30	1 5/8	3 29/32	2 1/4	3 13/16	9.78
8916	2 3/4	1 3/4	30	1 3/4	4 5/32	2 3/8	3 29/32	11.40

NOTE: These Wrenches can be supplied with heads bent up to 90° right or left of handle at extra charge.

Weights: see numerical index

♦ REGISTERED TRADE MARK

WILLIAMS' "SUPERRENCHES"
Selected Alloy Steel

STRIKING FACE BOX—OFFSET PATTERN
With 12-Point Openings



The Striking Face Box "Superrench" is particularly well adapted for heavy industrial and automotive work in close quarters where large nuts must be set up tight or frozen nuts loosened.

Offset head gives ample nut clearance. Drop-forged from Selected Alloy Steel, properly heat-treated to withstand the necessary shocks. Finished in baked gray enamel all over.

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	Amer. Std. REGULAR Nut; Size Bolt	Ex-treme Length Approx.	Head		LIST PRICE, Each
						Thick-ness	Outside Diameter	
8807	1 1/16	5/8	3/4	.....	10 1/2	13/16	1 27/32	\$4.72
8807A	1 1/8	.....	.....	3/4	10 1/2	13/16	1 27/32	4.80
8808	1 1/4	3/4	7/8	.....	11	7/8	2 3/32	4.97
8808A	1 5/16	.....	.....	7/8	11	7/8	2 3/32	5.30
8809	1 7/16	7/8	1	.....	11 1/2	1	2 3/8	6.05
8809A	1 1/2	.....	.....	1	11 1/2	1	2 3/8	6.37
8810	1 5/8	1	1 1/8	.....	12	1 1/16	2 5/8	6.80
8810A	1 11/16	.....	.....	1 1/8	12	1 1/16	2 5/8	6.90
8811	1 13/16	1 1/8	1 1/4	.....	12 1/2	1 1/8	2 29/32	7.13
8811A	1 7/8	.....	.....	1 1/4	12 1/2	1 1/8	2 29/32	7.29
8812	2	1 1/4	1 3/8	.....	13	1 1/4	3 5/32	7.45
8813	2 3/16	1 3/8	1 1/2	.....	13 1/2	1 3/8	3 15/32	9.28
8813A	2 1/4	.....	.....	1 1/2	13 1/2	1 3/8	3 15/32	9.28
8814	2 3/8	1 1/2	.....	.....	14	1 1/2	3 23/32	10.27
8815	2 9/16	1 5/8	.....	.....	14 1/2	1 5/8	3 29/32	11.42
8815A	2 5/8	.....	.....	1 3/4	14 1/2	1 5/8	3 29/32	11.42
8816	2 3/4	1 3/4	.....	.....	15	1 3/4	4 5/32	15.55
8816B	2 15/16	1 7/8	.....	.....	16	1 7/8	4 21/32	17.37
8817A	3	.....	.....	2	16 1/2	2	4 15/16	20.53
8817	3 1/8	2	.....	.....	16 1/2	2	4 15/16	20.53

Weights: see numerical index.

3-49

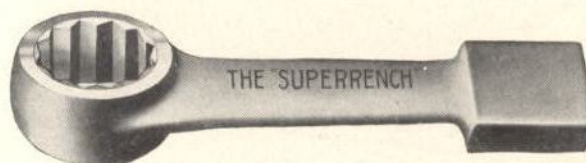
♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERRENCHES"

Selected Alloy Steel

HEAVY STRIKING FACE 12-POINT BOX PATTERNS

12-Point Opening—7-1/2° Angle—For Close Quarters



These Striking Face "Superrenches," with thin head walls, are particularly efficient in close quarters where large nuts must be set up tight, or frozen nuts loosened. They grip nuts on six sides and prevent slipping. The heads, approximately as thick as the nuts they handle, afford extra strength and full bearing in severe service. Will rotate hex nuts where the wrench can be swung only 15°—HALF the space required by conventional wrenches. Drop-forged from Selected Alloy Steel—heat-treated. Finished in baked gray enamel all over.

No.	Nominal Opening Across Flats	For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	For Amer. Std. Hex Head Cap Screws; Diam. Screw	For Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	For Amer. Std. REGULAR Nut; Size Bolt	Ex- treme Length, Approx.	Head		List Price, Each
							Thick- ness	Outside Diam.	
SFH-1808	1 1/4	3/4	.....	7/8	.....	7	13/16	2 1/16	\$ 6.56
SFH-1808A	1 5/16	.....	1	.....	7/8	7	13/16	2 1/16	6.56
SFH-1809	1 7/16	7/8	.....	1	.....	8	15/16	2 3/8	6.73
SFH-1809A	1 1/2	.....	1 1/8	.....	1	8	15/16	2 3/8	6.90
SFH-1810	1 5/8	1	.....	1 1/8	.....	9	1 1/8	2 5/8	11.42
SFH-1810A	1 11/16	.....	1 1/4	.....	1 1/8	9	1 1/8	2 5/8	12.21
SFH-1811	1 13/16	1 1/8	.....	1 1/4	.....	10	1 1/4	2 15/16	12.94
SFH-1811A	1 7/8	.....	.....	.....	1 1/4	10	1 1/4	2 15/16	13.73
SFH-1812	2	1 1/4	.....	1 3/8	.....	11	1 3/8	3 1/4	14.49
SFH-1813	2 3/16	1 3/8	.....	1 1/2	.....	12	1 1/2	3 1/2	15.25
SFH-1813A	2 1/4	.....	.....	.....	1 1/2	12	1 1/2	3 1/2	16.01
SFH-1814	2 3/8	1 1/2	.....	.....	.....	13	1 5/8	3 3/4	19.84
SFH-1815	2 9/16	1 5/8	.....	.....	.....	14	1 3/4	4 1/8	20.63
SFH-1815A	2 5/8	.....	.....	.....	1 3/4	14	1 3/4	4 1/8	21.39
SFH-1816	2 3/4	1 3/4	.....	.....	.....	15	1 7/8	4 9/16	22.15
SFH-1817A	3	.....	.....	.....	2	17	2	4 13/16	26.74
SFH-1817	3 1/8	2	.....	.....	.....	17	2	4 13/16	27.53

Weights: see numerical index

♦ REGISTERED TRADE MARK

WILLIAMS' 12-POINT-BOX "SUPERRENCHES" Selected Alloy Steel

15° ANGLE OFFSET PATTERNS

Nos. 6723 to 6727



Nos. 7723 to 7742

These 12-Point Box "Superrenches" are particularly well adapted to work in close quarters. Thin head walls permit use where clearance is extremely limited. The openings grip hex nuts on six sides, preventing all slipping and rounding of the nut's corners. The Long Pattern provides unusual reach and leverage.

Each head has a 12-point opening; consequently, hex nuts can be completely rotated where the swing of the wrench is limited to 30°—less than 1/10 of a full turn.

GENUINE "SUPERRENCHES," forged from Selected Alloy Steel—heat-treated.

Finish—Chrome plate over nickel, heads bright.

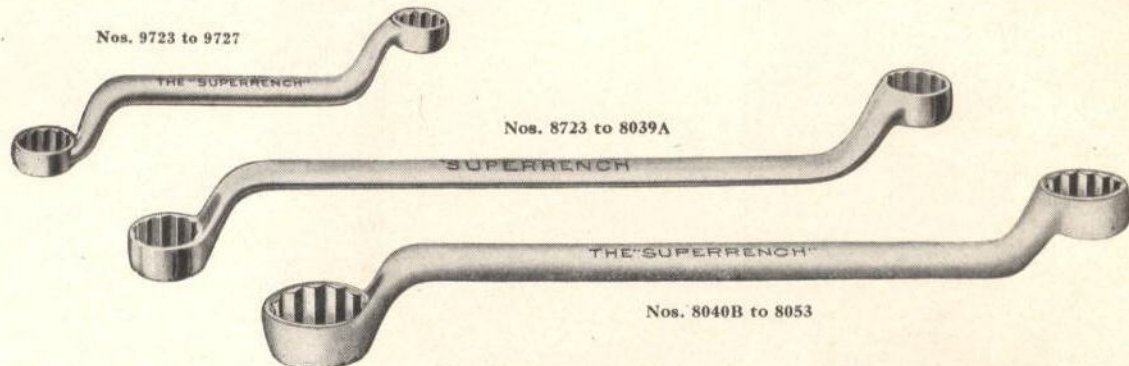
No.	Nominal Openings	For Amer. Std. HEAVY Nuts (U.S.S.); Size Bolt	For Amer. Std. Hex Head Cap Screws; Diam. Screws	For Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts	For Amer. Std. REGULAR Nuts; Size Bolts	Extreme Length, Approx.	LIST PRICE, Each	No.
LONG PATTERN—Different Opening in Each Head								
7723	3/8 & 7/16		3/16 & 1/4	1/4	7/8		\$.95	7723
7725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	7/8		.95	7725
7725A	7/16 & 9/16		1/4 & 3/8	1/4 & 3/8	8 1/4		.99	7725A
7725B	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	8 1/4		.99	7725B
7025	1/2 & 19/32	1/4 & 5/16	5/16	5/16	8 1/4		1.06	7025
7727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	9 1/4		1.08	7727
7027	19/32 & 11/16	5/16 & 3/8			10 1/2		1.31	7027
7727A	5/8 & 11/16	3/8	7/16	7/16	10 1/2		1.31	7727A
7729	5/8 & 3/4		7/16 & 1/2	7/16 & 1/2	10 1/2		1.24	7729
7029B	11/16 & 3/4	3/8	1/2	1/2	10 1/2		1.39	7029B
7029	11/16 & 25/32	3/8 & 7/16			10 1/2		1.46	7029
7729A	3/4 & 25/32	7/16	1/2	1/2	12		1.54	7729A
7731A	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	12		1.54	7731A
7031B	25/32 & 13/16	7/16	9/16		12		1.69	7031B
7031	25/32 & 7/8	7/16 & 1/2	5/8	9/16	12		1.69	7031
7731B	13/16 & 7/8	1/2	9/16 & 5/8	9/16	12		1.69	7731B
7033A	7/8 & 15/16	1/2 & 9/16	5/8	9/16 & 5/8	13 3/4		2.67	7033A
7733	7/8 & 1	1/2	5/8 & 3/4	9/16	13 3/4		2.67	7733
7033C	15/16 & 1	9/16	3/4	5/8	13 3/4		2.67	7033C
7034A	15/16 & 1 1/16	9/16 & 5/8		5/8 & 3/4	15 1/2		3.04	7034A
7735	1 & 1 1/8		3/4 & 7/8		17 1/4		3.04	7735
7735A	1 1/16 & 1 1/8	5/8	7/8	3/4	17 1/4		3.04	7735A
7037	1 1/16 & 1 1/4	5/8 & 3/4		3/4 & 7/8	17 1/4		3.40	7037
7037A	1 1/8 & 1 5/16		7/8 & 1		19		3.52	7037A
7039B	1 1/4 & 1 5/16	3/4	1	7/8	19		3.52	7039B
7039	1 1/4 & 1 7/16	3/4 & 7/8		7/8 & 1	19		4.03	7039
7039A	1 5/16 & 1 1/2		1 & 1 1/8		19		4.03	7039A
7040B	1 7/16 & 1 1/2	7/8	1 1/8	1	21		4.75	7040B
7041	1 7/16 & 1 5/8	7/8 & 1		1 & 1 1/8	23		5.85	7041
7742B	1 1/2 & 1 11/16		1 1/8 & 1 1/4		23		5.85	7742B
SHORT PATTERN—Different Opening in Each Head								
6723	3/8 & 7/16		3/16 & 1/4	1/4	4 1/2		\$.95	6723
6725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	5 1/2		.95	6725
6725A	7/16 & 9/16		1/4 & 3/8	1/4 & 3/8	5 1/2		.99	6725A
6725B	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5 1/2		.99	6725B
6025	1/2 & 19/32	1/4 & 5/16	5/16	5/16	5 1/2		.99	6025
6727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	6		1.09	6727

Weights: see numerical index.

♦ REGISTERED TRADE MARK

3-40

WILLIAMS' 12-POINT-BOX "SUPERRENCHES"
Selected Alloy Steel
DOUBLE OFFSET PATTERNS



These 12-Point Box "Superrenches" are particularly well adapted to work in close quarters. Thin head walls permit use where clearance is extremely limited. The openings grip hex nuts on six sides, preventing all slipping and rounding of the nut's corners. The Long Pattern provides unusual reach and leverage.

Each head has a 12-point opening; consequently, hex nuts can be completely rotated where the swing of the wrench is limited to 30°—less than 1/10 of a full turn.

Ideal for use on Connecting Rods, Main Bearings, Base, Cylinder Heads, Spring Clips and in awkward places. **GENUINE "SUPERRENCHES,"** forged from Selected Alloy Steel—heat-treated.

Finish—Chrome plate over nickel, heads bright. Nos. 8040B through 8053, Baked Gray Enamel.

Supplied in Whitworth Standard and Metric sizes also; see page 161.

No.	Nominal Openings	For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	For Amer. Std. Hex Head Cap Screws; Diam. Screws	For Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	For Amer. Std. REGULAR Nut; Size Bolt	Extreme Length, Approx.	LIST PRICE, Each	No.
LONG PATTERN—Different Opening in Each Head								
8723	3/8 & 7/16		3/16 & 1/4	1/4	1/4	7 3/4	\$1.01	8723
8725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	8 1/4	1.01	8725
8725A	7/16 & 9/16		1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	8 3/4	1.12	8725A
8725B	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5/16	8 3/4	1.12	8725B
8025	1/2 & 19/32	1/4 & 5/16	5/16	5/16	5/16 & 3/8	8 3/4	1.12	8025
8727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16		9 3/4	1.17	8727
8027	19/32 & 11/16	5/16 & 3/8				11	1.30	8027
8727A	5/8 & 11/16	3/8	7/16	7/16	3/8	11	1.30	8727A
8729	5/8 & 3/4		7/16 & 1/2	7/16 & 1/2	3/8 & 7/16	11	1.30	8729
8029B	11/16 & 3/4	3/8	1/2	1/2	7/16	11	1.41	8029B
8029	11/16 & 25/32	3/8 & 7/16				11	1.41	8029
8729A	3/4 & 25/32	7/16	1/2	1/2	7/16	12 1/2	1.41	8729A
8731A	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	12 1/2	1.41	8731A
8031B	25/32 & 13/16	7/16	9/16		1/2	12 1/2	1.41	8031B
8031	25/32 & 7/8	7/16 & 1/2		9/16	9/16	12 1/2	1.41	8031
8731B	13/16 & 7/8	1/2	9/16 & 5/8	9/16	1/2 & 9/16	12 1/2	1.75	8731B
8033A	7/8 & 15/16	1/2 & 9/16	5/8	9/16 & 5/8	9/16	13 1/2	2.05	8033A
8733	7/8 & 1	1/2	5/8 & 3/4	9/16	9/16 & 5/8	13 1/2	2.05	8733
8033C	15/16 & 1	9/16	3/4	5/8	5/8	14 1/2	2.05	8033C
8034A	15/16 & 1 1/16	9/16 & 5/8		5/8 & 3/4		15 1/2	3.10	8034A
8735	1 & 1 1/8		3/4 & 7/8		5/8 & 3/4	17	3.42	8735
8735A	1 1/16 & 1 1/8	5/8	7/8	3/4	3/4	17	3.42	8735A
8037	1 1/16 & 1 1/4	5/8 & 3/4		3/4 & 7/8		17	3.42	8037
8737A	1 1/8 & 1 5/16		7/8 & 1		3/4 & 7/8	19	3.42	8737A
8039B	1 1/4 & 1 5/16	3/4	1	7/8	7/8	19	4.52	8039B
8039	1 1/4 & 1 7/16	3/4 & 7/8		7/8 & 1		19	4.52	8039
8039A	1 5/16 & 1 1/2		1 & 1 1/8		7/8 & 1	19	4.52	8039A
FOR HEAVY SERVICE—LONG PATTERN—Round Handle								
8040B	1 7/16 & 1 1/2	7/8	1 1/8	1	1	21	4.60	8040B
8041	1 7/16 & 1 5/8	7/8 & 1		1 & 1 1/8		23	4.68	8041
8742B	1 1/2 & 1 11/16		1 1/8 & 1 1/4		1 & 1 1/8	23	4.68	8742B
8045	1 13/16 & 2	1 1/8 & 1 1/4		1 1/4 & 1 3/8		25	8.10	8045
8049	2 3/16 & 2 3/8	1 3/8 & 1 1/2		1 1/2		27	10.32	8049
8053	2 9/16 & 2 3/4	1 5/8 & 1 3/4				30	17.00	8053
SHORT PATTERN—Different Opening in Each Head								
9723	3/8 & 7/16		3/16 & 1/4	1/4	1/4	4 1/2	.90	9723
9725	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	5 1/2	.97	9725
9725A	7/16 & 9/16		1/4 & 3/8	1/4 & 3/8	1/4 & 5/16	5 1/2	.97	9725A
9725B	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5/16	5 1/2	.97	9725B
9025	1/2 & 19/32	1/4 & 5/16	5/16	5/16		5 1/2	.97	9025
9727	9/16 & 5/8		3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	6	1.07	9727

Weights: see numerical index.

★ REGISTERED TRADE MARK

DROP-FORGINGS AND WILLIAMS DROP-FORGED TOOLS

12-POINT BOX + "SUPERRENCH" SETS Selected Alloy Steel

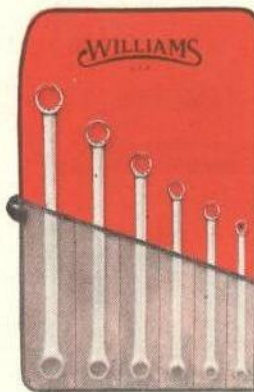


SET No. 8006
LIST PRICES

In Leatherette Roll, \$9.97
In Cardboard Box, 8.17
Roll Only, 1.80

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
8723	3/8 & 7/16	3/16 & 1/4	1/4	1/4	1/4	7-3/4
8025	1/2 & 19/32	1/4 & 5/16	5/16	5/16	5/16	8-3/4
8727	9/16 & 5/8	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	5/16 & 3/8	9-3/4
8029	11/16 & 25/32	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	5/16 & 3/8	11
8731A	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	12-1/2
8033C	15/16 & 1	9/16	3/4 & 5/8	5/8	5/8	14-1/2

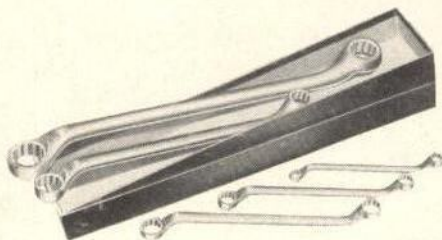


SET No. 7006
LIST PRICES

In Leatherette Roll, \$10.26
In Cardboard Box, 8.76
Roll Only, 1.50

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
7723	3/8 & 7/16	3/16 & 1/4	1/4	1/4	1/4	7-3/8
7025	1/2 & 19/32	1/4 & 5/16	5/16	5/16	5/16	8-1/4
7727	9/16 & 5/8	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	5/16 & 3/8	9-1/4
7029	11/16 & 25/32	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	5/16 & 3/8	10-1/2
7731A	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	12
7033C	15/16 & 1	9/16	3/4 & 5/8	5/8	5/8	13-3/4



SET No. 8005A

LIST PRICE

In Cardboard Box, \$12.68

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Length Approx.
8025	1/2 & 19/32	1/4 & 5/16	5/16	5/16	8-3/4
8029	11/16 & 25/32	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	11
8033A	7/8 & 15/16	1/2 & 9/16	5/8	9/16 & 5/8	13-1/2
8037	1-1/16 & 1-1/4	5/8 & 3/4	3/4	3/4 & 7/8	17
8041	1-7/16 & 1-5/8	7/8 & 1	1	1 & 1-1/8	23

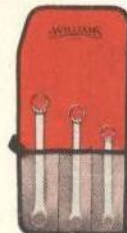


SET No. 9703
LIST PRICES

In Leatherette Roll, \$3.69
In Cardboard Box, 2.94
Roll Only, .75

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
9723	3/8 & 7/16	3/16 & 1/4	1/4	1/4	1/4	4-1/2
9725	7/16 & 1/2	1/4 & 5/16	5/16	5/16	5/16	5-1/2
9727	9/16 & 5/8	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	5/16 & 3/8	6



SET No. 6703
LIST PRICES

In Leatherette Roll, \$3.49
In Cardboard Box, 2.99
Roll Only, .50

CONTENTS

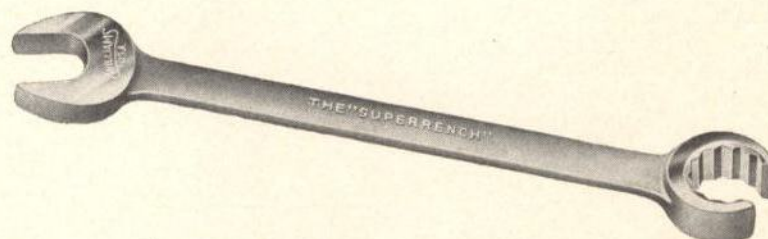
No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
6723	3/8 & 7/16	3/16 & 1/4	1/4	1/4	1/4	4-1/2
6725	7/16 & 1/2	1/4 & 5/16	5/16	5/16	5/16	5-1/2
6727	9/16 & 5/8	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	5/16 & 3/8	6

Weights: see numerical index

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERRENCHES"
Selected Alloy Steel

FLARE NUT PATTERN



Long and slender, these "Superrenches", combine two styles of head. They are designed especially for use on the non-ferrous flare nuts and fittings found on hydraulic and pneumatic tubing assemblies such as are encountered in air conditioning, automotive, aeronautical, diesel, marine and refrigeration work. Open-box end, has a 12-point opening offset 15° from plane of handle with a tube opening slot at 22-1/2° to the axis of the handle. Thick head face is an assurance against marred fittings in final tightening.

Open end is thin, with slim jaws and opening at angle of 15°. Designed especially for holding non-ferrous union fittings found in tubing work and fast adjustment of flare nuts before final tightening. Drop-forged from Selected Alloy Steel, heat-treated and chrome-plated, heads buffed.

No.	OPEN END		OPEN-BOX END				Extreme Length, Approx.	List Price, Each
	Nominal Opening	Thickness Head	Nominal Opening	Outside Diameter	Thickness Head	Max. Tube Clearance		
1312	3/8	3/16	3/8	21/32	5/16	1/4	5 5/8	\$1.20
1314	7/16	13/64	7/16	25/32	11/32	9/32	6	1.23
1316	1/2	7/32	1/2	29/32	7/16	3/8	6 3/8	1.35
1318	9/16	15/64	9/16	31/32	7/16	7/16	6 7/8	1.46
1320	5/8	1/4	5/8	1 1/64	1/2	15/32	7 5/8	1.63
1322	11/16	5/16	11/16	1 9/32	9/16	9/16	8 3/4	1.78
1324	3/4	5/16	3/4	1 9/32	9/16	9/16	8 3/4	1.95
1328	7/8	11/32	7/8	1 7/16	5/8	11/16	9 1/4	2.10
1332	1	3/8	1	1 19/32	11/16	3/4	9 7/8	2.25
1334	1 1/16	7/16	1 1/16	1 25/32	3/4	27/32	10 3/4	2.51
1336	1 1/8	7/16	1 1/8	1 25/32	3/4	27/32	10 3/4	2.51

Weights: see numerical index

♦ REGISTERED TRADE MARK

WILLIAMS' ♦ "SUPERRENCHES"

Selected Alloy Steel

OPEN END-BOX PATTERN

For Close Quarters



These long, slender "Superrenches", combining two styles of head are designed especially for use in close quarters and tight corners.

Open end is thin, with slim jaws and opening at angle of 15°.

Box end, with 12-point opening and thin walls, is offset from plane of handle; see illustration.

Same size opening in both heads; **where one can not operate, the other will.** Each rotates hex nuts when the wrench can swing only 30°.

Drop-forged from Selected Alloy Steel, heat-treated, chrome-plated; faces of open end buffed.

Sold individually and in Sets.

No.	Nominal Openings	For Amer. Std. HEAVY Nuts (U.S.S.); Size Bolts	For Amer. Std. Hex Head Cap Screws; Diam. Screws	For Amer. Std. LIGHT Nuts (S.A.E.); Size Bolts	For Amer. Std. REGULAR Nuts; Size Bolts	Extreme Length, Approx.	LIST PRICE Each	No.
1159	5/16 & 5/16	1/8	1/8	.....	.....	4-3/8	\$.93	1159
1159A	11/32 & 11/32	.....	.....	.....	* No. 8	4-3/8	.93	1159A
1160	3/8 & 3/8	.....	3/16	.....	.....	5	.95	1160
1161	7/16 & 7/16	.....	1/4	1/4	1/4	5-3/8	1.05	1161
1162	1/2 & 1/2	1/4	5/16	5/16	.....	6	1.15	1162
1163	9/16 & 9/16	.....	3/8	3/8	5/16	6-3/4	1.24	1163
1163A	19/32 & 19/32	5/16	.....	.....	.....	6-3/4	1.24	1163A
1164	5/8 & 5/8	.....	7/16	7/16	3/8	7-5/8	1.38	1164
1165	11/16 & 11/16	3/8	.....	.....	.....	8-1/2	1.52	1165
1166	3/4 & 3/4	.....	1/2	1/2	7/16	9-1/2	1.70	1166
1166A	25/32 & 25/32	7/16	.....	.....	.....	9-1/2	1.70	1166A
1167A	13/16 & 13/16	.....	9/16	.....	1/2	10-1/2	1.78	1167A
1167	7/8 & 7/8	1/2	5/8	9/16	9/16	10-1/2	1.85	1167
1168	15/16 & 15/16	9/16	.....	5/8	.....	13	2.08	1168
1170	1 & 1	.....	3/4	.....	5/8	13	2.24	1170
1171	1-1/16 & 1-1/16	5/8	.....	3/4	.....	15	2.70	1171
1172	1-1/8 & 1-1/8	.....	7/8	.....	3/4	15	3.27	1172
1173	1-1/4 & 1-1/4	3/4	.....	7/8	.....	18	3.63	1173
1174	1-5/16 & 1-5/16	.....	1	.....	7/8	18	4.63	1174
1176	1-7/16 & 1-7/16	7/8	.....	1	.....	21	5.03	1176

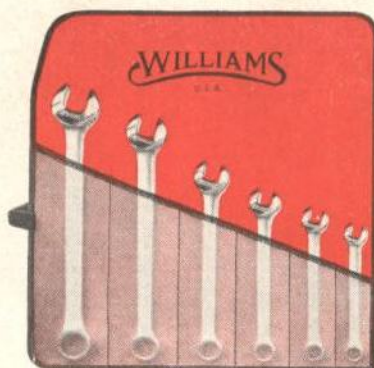
*Amer. Std. Machine Screw and Stove Bolt Nuts.

Weights: see numerical index.

♦ REGISTERED TRADE MARK

3-49

WILLIAMS ♦ "SUPERRENCH" SETS Selected Alloy Steel

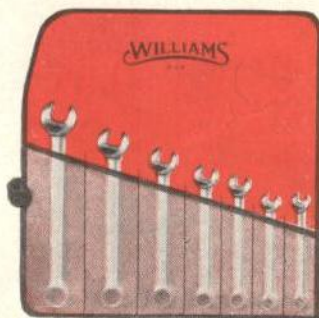


SET No. 1170S

LIST PRICES
In Leatherette Roll, \$9.62
In Cardboard Box, 8.37
Roll Only, 1.25

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
1161	7/16 & 7/16	.....	1/4	1/4	1/4	5-3/8
1162	1/2 & 1/2	1/4	5/16	5/16	.....	6
1163	9/16 & 9/16	.....	3/8	3/8	5/16	6-3/4
1164	5/8 & 5/8	.....	7/16	7/16	3/8	7-5/8
1166	3/4 & 3/4	.....	1/2	1/2	7/16	9-1/2
1167	7/8 & 7/8	1/2	5/8	9/16	9/16	10-1/2



SET No. 1173S

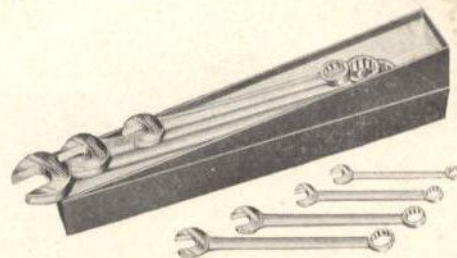
LIST PRICES
In Leatherette Roll, \$9.28
In Cardboard Box, 7.63
Roll Only, 1.65

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
1159	5/16 & 5/16	1/8	1/8	.....	.....	4-3/8
1159A	11/32 & 11/32	.....	.....	.....	*No. 8	4-3/8
1160	3/8 & 3/8	.....	3/16	.....	.....	5
1161	7/16 & 7/16	.....	1/4	1/4	1/4	5-3/8
1162	1/2 & 1/2	1/4	5/16	5/16	.....	6
1163	9/16 & 9/16	.....	3/8	3/8	5/16	6-3/4
1164	5/8 & 5/8	.....	7/16	7/16	3/8	7-5/8
1166	3/4 & 3/4	.....	1/2	1/2	7/16	9-1/2
1166A	25/32 & 25/32	.....	7/16	.....	.....	9-1/2
1167	7/8 & 7/8	1/2	5/8	9/16	9/16	10-1/2
1167A	13/16 & 13/16	.....	9/16	.....	1/2	10-1/2
1168	15/16 & 15/16	.....	9/16	5/8	.....	13
1170	1 & 1	.....	3/4	.....	5/8	13
1171	1-1/16 & 1-1/16	5/8	.....	3/4	.....	15
1172	1-1/8 & 1-1/8	.....	7/8	.....	3/4	15
1173	1-1/4 & 1-1/4	3/4	.....	7/8	.....	18

* Amer. Std. Machine Screw and Stove Bolt Nuts

♦ REGISTERED TRADE MARK

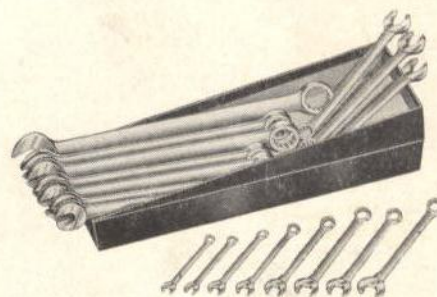


SET No. 1171S

LIST PRICE
In Cardboard Box, \$13.79

CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
1162	1/2 & 1/2	1/4	5/16	5/16	.....	6
1163A	19/32 & 19/32	5/16	.....	.....	.....	6-3/4
1165	11/16 & 11/16	3/8	.....	.....	.....	8-1/2
1166A	25/32 & 25/32	7/16	.....	.....	.....	9-1/2
1167	7/8 & 7/8	1/2	5/8	9/16	9/16	10-1/2
1171	1-1/16 & 1-1/16	5/8	.....	3/4	.....	15
1173	1-1/4 & 1-1/4	3/4	.....	7/8	.....	18



SET No. 1172S

LIST PRICE
In Cardboard Box, \$31.34

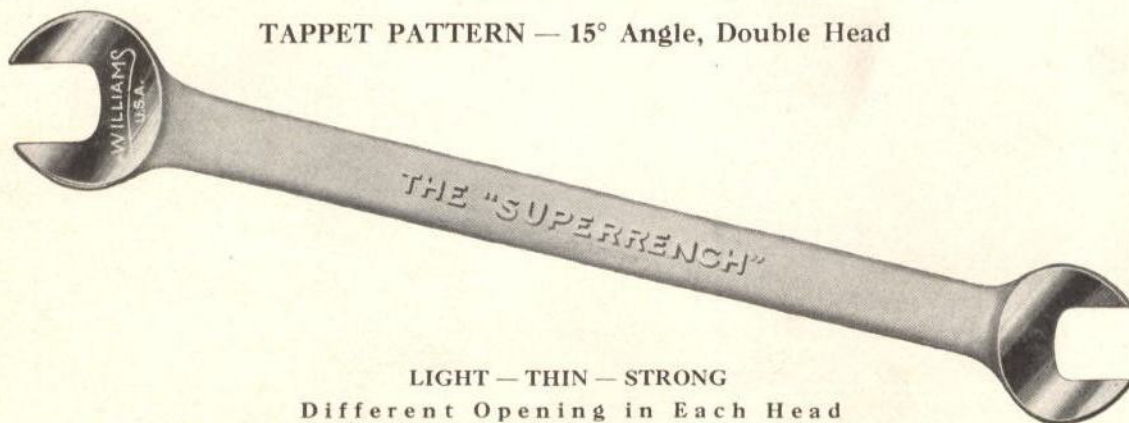
CONTENTS

No.	Nominal Openings	Amer. Std. HEAVY Nut (U.S.S.)	Amer. Std. Hex Head Cap Screw	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	Length Approx.
1159	5/16 & 5/16	1/8	1/8	.....	.....	4-3/8
1159A	11/32 & 11/32	.....	.....	.....	*No. 8	4-3/8
1160	3/8 & 3/8	.....	3/16	.....	.....	5
1161	7/16 & 7/16	.....	1/4	1/4	1/4	5-3/8
1162	1/2 & 1/2	1/4	5/16	5/16	.....	6
1163	9/16 & 9/16	.....	3/8	3/8	5/16	6-3/4
1163A	19/32 & 19/32	5/16	.....	.....	.....	6-3/4
1164	5/8 & 5/8	.....	7/16	7/16	3/8	7-5/8
1165	11/16 & 11/16	3/8	.....	.....	.....	8-1/2
1166	3/4 & 3/4	.....	1/2	1/2	7/16	9-1/2
1166A	25/32 & 25/32	.....	7/16	.....	.....	9-1/2
1167	7/8 & 7/8	1/2	5/8	9/16	9/16	10-1/2
1167A	13/16 & 13/16	.....	9/16	.....	1/2	10-1/2
1168	15/16 & 15/16	.....	9/16	5/8	.....	13
1170	1 & 1	.....	3/4	.....	5/8	13
1171	1-1/16 & 1-1/16	5/8	.....	3/4	.....	15
1172	1-1/8 & 1-1/8	.....	7/8	.....	3/4	15
1173	1-1/4 & 1-1/4	3/4	.....	7/8	.....	18

Weights: see numerical index

WILLIAMS' ♦ "SUPERRENCHES"
Selected Alloy Steel

TAPPET PATTERN — 15° Angle, Double Head



LIGHT — THIN — STRONG
Different Opening in Each Head

These light, thin Wrenches are specially designed for tappet adjustment; their length is ample to prevent burning the hands when the motor is hot.

The 15° angle of opening is unequalled in efficiency. It makes the same size opening in both heads of the wrench unnecessary. Consequently *each* "Superrench" serves *two* sizes of tappets.

Drop-forged from special Selected Alloy Steel, heat-treated, chrome-finished, heads buffed bright.

No.	Nominal Openings Tappet Sizes	For Amer. Std. HEAVY Nut (U.S.S.); Size Bolt	For Amer. Std. Hex Head Cap Screw; Diam. Screw	For Amer. Std. LIGHT Nut (S.A.E.); Size Bolt	For Amer. Std. REGULAR Nut; Size Bolt	Ex- treme Length	Thick- ness Heads	LIST PRICE, Each
1090A	3/8 & 7/16	.....	3/16 & 1/4	1/4	1/4	8	5/32	\$1.02
1090	7/16 & 1/2	1/4	1/4 & 5/16	1/4 & 5/16	1/4	8	5/32	1.02
1090G	7/16 & 17/32	.....	1/4	1/4	1/4	8	5/32	1.02
1090D	1/2 & 9/16	1/4	5/16 & 3/8	5/16 & 3/8	5/16	8	5/32	1.02
1092	9/16 & 5/8	.....	3/8 & 7/16	3/8 & 7/16	5/16 & 3/8	8	3/16	1.09
1092F	5/8 & 11/16	3/8	7/16	7/16	3/8	8	3/16	1.09
1094G	3/4 & 13/16	.....	1/2 & 9/16	1/2	7/16 & 1/2	9	7/32	1.16
1094	3/4 & 7/8	1/2	1/2 & 5/8	1/2 & 9/16	7/16 & 9/16	9	7/32	1.16
1096	15/16 & 1	9/16	3/4	5/8	5/8	9	7/32	1.39

EXTRA LONG, THIN TAPPET PATTERN — 15° ANGLE



All auto mechanics will want these extra long (12-1/2") Tappet Wrenches for convenient reach over hot manifolds. Slender and light for easy adjustment, with narrow jaws for close places. The range of openings—3/8 to 5/8"—provides comprehensive service for practically every make of car, including late models. All heads 3/16" thick.

Sold individually and in sets.

Drop-forged from special Selected Alloy Steel, and heat-treated for maximum strength. Cadmium-plated.

No.	Nominal Openings	Amer. Std. Hex Head Cap Screws	Amer. Std. LIGHT Nut (S.A.E.)	Amer. Std. REGULAR Nut	LIST PRICE, Each	No.
A100C	3/8	3/16	.....	.....	\$1.23	A100C
A100	7/16	1/4	1/4	1/4	1.23	A100
A100A	1/2	5/16	5/16	.....	1.23	A100A
A100B	9/16	3/8	3/8	5/16	1.23	A100B
A101	5/8	7/16	7/16	3/8	1.23	A101

♦ REGISTERED TRADE MARK

Weights: see numerical index.

3-49

WILLIAMS' TAPPET+ "SUPERRENCHES"
Selected Alloy Steel

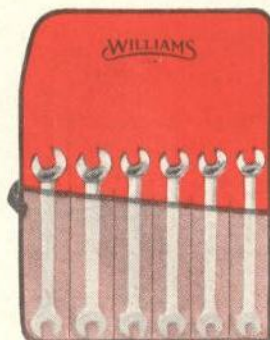
"SUPERRENCH" TAPPET SETS

15° Angle, Double Head

These light, thin Wrenches are specially designed for tappet adjustment; their length is ample to prevent burning the hands when the motor is hot.

The 15° angle of opening is unequalled in efficiency. It makes the same size opening in both heads of the wrench unnecessary. Consequently *each* "Superrench" serves *two* sizes of tappets.

Drop-forged from special Selected Alloy Steel, heat-treated, chrome-finished, heads buffed bright

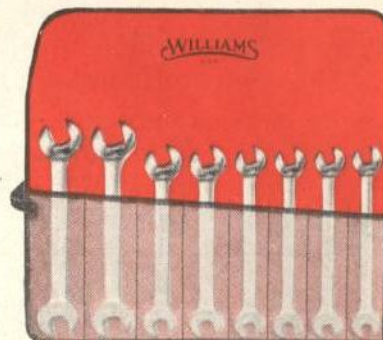


SET No. 1032

LIST PRICES

In Leatherette Roll,	\$7.36
In Cardboard Box,	6.26
Roll Only,	1.10

Six "Superrenches"; 2 each of Nos. 1090, 1090D and 1092F, described on page 46, covering every tappet size from 7/16 in. to 1 1/16 in. Cares for 80% of all passenger cars, buses and trucks.

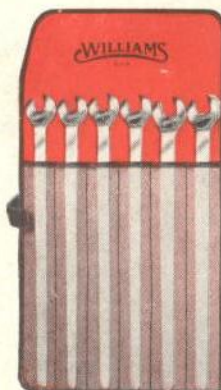


SET No. 1042

LIST PRICES

In Leatherette Roll,	\$9.98
In Cardboard Box,	8.58
Roll Only,	1.40

Eight "Superrenches"; 2 each of Nos. 1090, 1090D, 1092F and 1094, described on page 46 provide comprehensive service for tappet adjustment. Cover practically all passenger cars, buses and trucks. An ideal set for the automobile mechanic.



Set No. 106

"SUPERRENCH" TAPPET SETS

15° Angle, Single Head

SET No. 106

LIST PRICES

In Leatherette Roll,	\$8.53
In Cardboard Box,	7.38
Roll Only,	1.15

6 wrenches; 2 each of Nos. A100A, A100B and A101, described on opposite page.

SET No. 108

LIST PRICES

In Leatherette Roll,	\$11.24
In Cardboard Box,	9.84
Roll Only,	1.40

8 wrenches; 2 each of Nos. A100, A100A, A100B and A101, described on opposite page.



Set No. 108

See Opposite Page for Individual Wrench Opening and Bolt Size Tabulation

Weights: see numerical index.

♦ REGISTERED TRADE MARK

WILLIAMS' "MULTISOCKET" WRENCH

EIGHT-IN-ONE
PATENTED



No. 1999 — List Price — \$4.20 each

8 Different 12-Point Openings

Small Head; 7/16, 1/2, 9/16, 19/32" — Large Head; 5/8, 11/16, 3/4, 7/8"

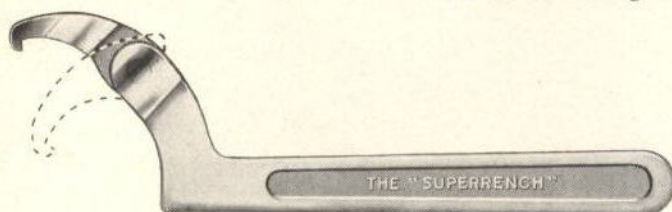
The openings grip hex nuts on six sides; no slipping or rounding of the nuts' corners.

Swivel heads, with index spring to retain working opening in position for use, permit handle to be operated at practically any angle desired. Can be used as a socket wrench.

The entire wrench is drop-forged, heat-treated and finished in cadmium-plate. Length, 9 inches.

WILLIAMS' ADJUSTABLE HOOK SPANNERS

Selected Alloy Steel



These Spanners offer an unusual combination of strength and ready adjustment; each tool provides for a wide range of sizes — see table. Drop-forged from Selected Alloy Steel, heat-treated and chrome-plated, face of jaw and raised part of handle buffed bright.

Sold individually, or in Set No. 1400 which is especially serviceable on Spindle Bearings of Lathes, Milling Machines, Grinding Machines, Rear Axle Shaft Bearings, Exhaust Manifold Gland Nuts, Differential Pinion Gear, Rear Wheel Bearings, Water-Pump Packing Nuts, etc. Also, for adjusting collars and slotted rings used on many types of automatic machines.



SET No. 1400

LIST PRICES

In Leatherette Roll, \$12.90

In Cardboard Box, 12.00

Roll Only .90

No.	Capacity for Circles, Diameter	Extreme Length, Approx.	Thickness		Depth Hook	LIST PRICE	No.
			Handle	Hook			
1471	3/4 to 2	6 3/8	1/4	11/32	1/8	\$3.20	1471
1472	1 1/4 to 3	8 1/8	9/32	13/32	5/32	3.70	1472
1474	2 to 4 3/4	11 3/8	5/16	15/32	3/16	5.10	1474

Weights: see numerical index.

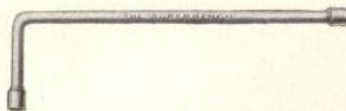
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WILLIAMS' SPECIAL ♦ "SUPERRENCHES"
Selected Alloy Steel

FOR FORD CARS AND TRUCKS

"SUPERRENCH"
(Selected Alloy Steel)

For
Ford "V-8" Connecting Rods



No. S-231
List Price, \$2.10

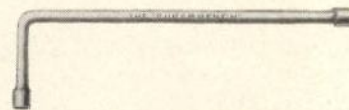
Length, 11-1/2" Offset, 3"
Heat-treated and Chrome-plated

Spin nuts till engaged (short arm for lever); reverse wrench and tighten (long arm for lever).

Hex Openings, 7/16 and 7/16". Services Ford V-8 60 H.P. motor, 1937-'40.

"SUPERRENCH"
(Selected Alloy Steel)

For
Ford "V-8" Connecting Rods



No. 1981-A
List Price, \$2.25

Length, 11-1/2" Offset, 3"
Heat-treated and Chrome-plated

Spin nuts till engaged (short arm for lever); reverse wrench and tighten (long arm for lever).

Hex Openings, 9/16 and 9/16". Services all Ford "6", 1941-'42; all Ford and Mercury V-8 85 H.P., 90 H.P. and 100 H.P. thru 1942. Also battery ground strap nut all Ford V-8 85 H.P. motors, 1935-'36.

"SUPERRENCH"
(Selected Alloy Steel)

For
Adjusting Ford Brakes



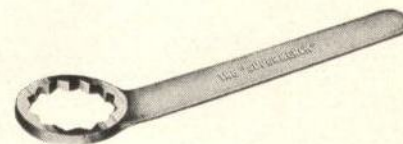
No. 1984-X
List Price, \$2.15

7/16 and 1/2" 8-Point Openings
Length, 11-1/4" Thickness Heads, 7/16"
Heat-treated and Chrome-plated

The only wrench required for adjusting brakes on Ford "A", "B", all V-8, 1932-'38 cars; also Ford "AA" and all V-8 trucks.

"SUPERRENCH"
(Selected Alloy Steel)

For
Ford Crankcase Drain Plug



No. 1966-A
List Price, \$1.41
2" 12-Point Opening
Length, 11"

Heat-treated and Chrome-plated

Required for drain plug service on ALL 1939-'42 Ford V-8 and Mercury cars.

Weights: see numerical index.

♦ REGISTERED TRADE MARK

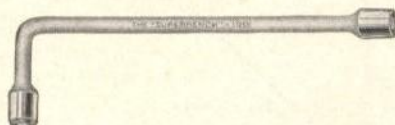
For other Special "Superrenches", see following page.

WILLIAMS' SPECIAL "SUPERRENCHES"
Selected Alloy Steel

FOR FORD CARS AND TRUCKS

"SUPERRENCH"
(Selected Alloy Steel)

For Ford "V-8"
60 H.P. Motor, 1937-'40, Main Bearings



No. S-243

List Price, \$2.10

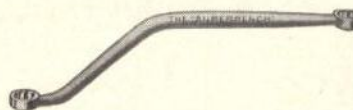
21/32 and 21/32" Hex Openings
Length, 11-1/2" Offset, 3"

Heat-treated and Chrome-plated

Specially thin design sockets for all main bearing screws.

"SUPERRENCH"
(Selected Alloy Steel)

For
All Ford "V-8", 1937-'42, Distributors



No. SV-244

List Price, \$1.83

1/2 and 1/2" 12-Point Openings
Length, 9" Offset, 2-1/4"

Heat-treated and Chrome-plated

Specially offset to clear fan-belt. A big time saver in servicing distributors on Ford "6", 1941-'42; "V-8" 1937-'42, 1946; Mercury "V-8," 1939-'42, 1946; Lincoln Zephyr, 1937-'42, 1946.

WILLIAMS' FORD CRANK RATCHET SOCKET
(Selected Alloy Steel)

For
All Ford Cars and Trucks 1928-'42



No. V-132

List Price, \$2.10

1-3/8" Hex Opening

Heat-treated and Cadmium-plated

Serves lower fan-pulley nut, necessary in dropping oil pan, without removing radiator. Designed for use with regular Ford starting crank.

For all Ford cars and trucks 1928-'37, all Ford trucks 1938-'42, 1946. Cut away for clearance.

Weights: see numerical index.

♦ REGISTERED TRADE MARK

WILLIAMS' STANDARD "SUPERSOCKET"
(Selected Alloy Steel)

For
Ford Cars and Trucks



No. SF-1218

List Price, \$.83

9/16" 12-Point Opening, 1/2" Square Drive

Heat-treated and Chrome-plated

Use with Torque Wrench required on models having "Marsden" self-locking nuts.

For all Ford 6, Ford-Mercury V-8, 85 H.P., 90 H.P. and 100 H.P. Connecting Rods.